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## ABSTRACT

The number of doctorate recipients in 1974 was 33,000, a 2.2 percent decrease from the number receiving the degree in 1973. A number of variables are used in analyzing the doctorates granted including major field, sex, postgraduation plans, sources of support in graduate school, state of doctoral institution, racial or ethnic group and U.S. citizenship status. (JMF)

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ED116527

# **Summary Report 1974 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES**

Prepared in the  
Board on Human-Resource  
Data and Analyses  
Commission on Human Resources  
National Research Council

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

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National Academy of Sciences  
Washington, D.C.  
June 1975

## FOREWORD

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1974. The Survey is conducted annually by the Board on Human-Resource Data and Analyses (BHRDA) of the Commission on Human Resources (CHR) of the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The data in this report refer to doctorates earned during the period July 1, 1973 to June 30, 1974, but they do not include professional degrees such as the MD, DDS, and DVM.

This is the eighth in a series of yearly summaries of data from the Survey of Earned Doctorates, a series that began in 1967. The BHRDA publishes data gathered during a given fiscal year in the following fiscal year. Trend data from an earlier period can be found in the book, *Doctorate Recipients from United States Universities 1958-1966* (NAS publication, 1489). A comparable report is being prepared for the period 1967-1975. This book will also include selected trend data on doctorates for the past century.

The distribution of the Survey of Earned Doctorates questionnaire, the maintenance of the resulting data file, and the publication of this report are supported jointly by the National Science Foundation, the United States Office of Education, the National Institutes of Health, and the National Endowment for the Humanities. The BHRDA wishes to express its appreciation to these agencies for their assistance.

The CHR is concerned with those activities of the National Research Council that contribute to the more effective development and utilization of the nation's human resources. Its programs seek to strengthen higher education and develop better understanding of the educational process. It is hoped that prompt reporting of the present data to educational, governmental, and professional agencies will facilitate planning in higher education. Suggestions for improvement of the content or format of the report and questions or comments will be welcomed. Such communications may be directed to the Board on Human-Resource Data and Analyses, National Research Council, 2101 Constitution Avenue, Washington, D. C. 20418.

## DOCTORATE PRODUCTION DECREASES FOR THE FIRST TIME SINCE 1957

The number of doctorate recipients in 1974 was 33,000, a 2.2% decrease from the number receiving the degree in 1973 and almost exactly the same as the number of doctorate recipients in 1972 which was 33,001. Although the total number of degree recipients in 1972 and in 1974 are essentially equal the proportion of women doctorates increased from 16.0% of the total in 1972 to 19.4% in 1974 with a corresponding decrease in the proportion of men.

The table below and Figure 1 show the differences in trends in major field for men and women for the period 1966-1974. The social sciences field is the only major field for which there was an increase in the number of male doctoral recipients in 1974.\* The drop in male doctorates in the physical sciences has been particularly acute with a 16.2% decrease from 5,390 in the peak year, 1971, to 4,517 in 1974.

During the period 1966-1974 the number of women doctorates has tripled. Most of the growth has been in three fields: education, arts and humanities, and social sciences which account for 80% (3,480) of the increase in women doctorates. These fields continued to grow in 1974 but the other four fields: life sciences, physical sciences, professional fields, and engineering which have had much smaller growth in numbers of women doctorates decreased in 1974.

### U. S. DOCTORATES GRANTED BY MAJOR FIELD AND SEX, 1966-1974

MALES								
Year	Total	Physical Sciences	Engineering	Life Sciences	Social Sciences	Arts & Human.	Prof. Fields	Education
1966	15,863	3,647	2,291	2,542	2,241	2,020	636	2,462
1967	17,944	4,123	2,594	2,726	2,654	2,310	724	2,790
1968	19,985	4,405	2,835	3,186	2,939	2,491	829	3,223
1969	22,338	4,713	3,239	3,552	3,302	2,727	880	3,739
1970	25,508	5,302	3,417	3,986	3,830	3,088	1,059	4,667
1971	27,187	5,390	3,479	4,337	4,239	3,306	1,227	5,061
1972	27,719	5,142	3,454	4,253	4,541	3,430	1,322	5,435
1973	27,645	4,862	3,293	4,197	4,668	3,817	1,261	5,464
1974	26,585	4,517	3,110	4,031	4,724	3,606	1,226	5,322

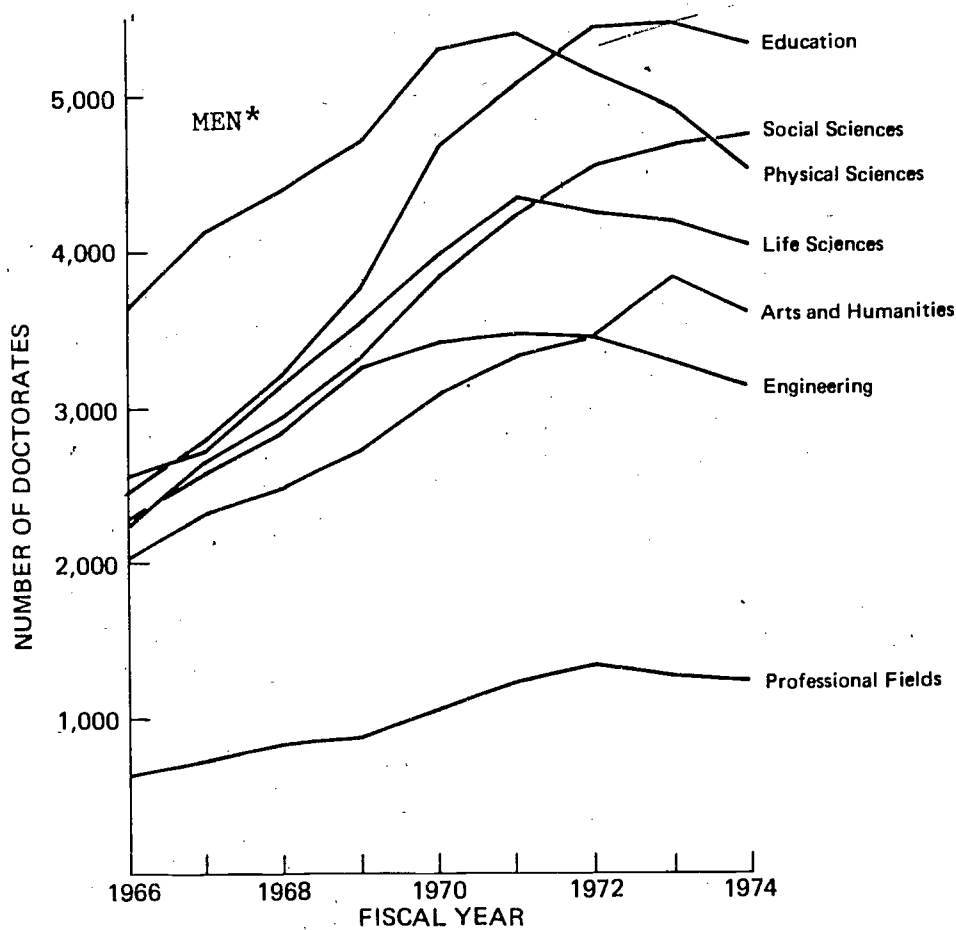
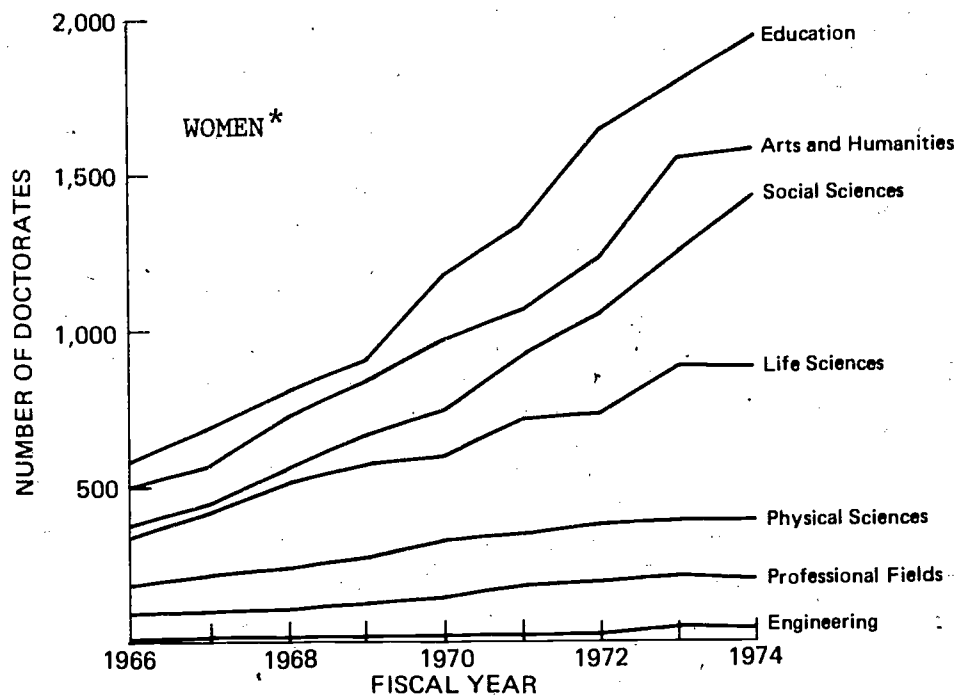
FEMALES								
Year	Total	Physical Sciences	Engineering	Life Sciences	Social Sciences	Arts & Human.	Prof. Fields	Education
1966	2,090	180	8	345	378	500	98	581
1967	2,440	209	9	418	448	561	101	688
1968	2,931	232	12	510	551	719	101	801
1969	3,386	261	10	567	659	837	126	901
1970	3,967	320	15	588	738	970	142	1,184
1971	4,585	340	16	714	916	1,060	175	1,342
1972	5,282	365	21	731	1,049	1,271	184	1,644
1973	6,082	376	45	871	1,243	1,547	200	1,784
1974	6,415	375	34	863	1,432	1,568	195	1,939

### POSTGRADUATION PLANS: DOCTORATES SEEKING EMPLOYMENT OR POST-DOCTORAL STUDY

Figures 2-7 present data from Tables 2, 2a and 5 which have not previously been included in the summary report. Figure 2 shows, by summary field, the difference between the proportion of doctorates in 1973 and 1974 who indicated on question "S" on the survey form

\*See note on page 11 re estimation procedures used for this report.

FIGURE 1 Number of United States Doctorates by Major Field, 1966-1974



\*Note that the vertical scale used for the chart for women is larger than that in the chart for men.

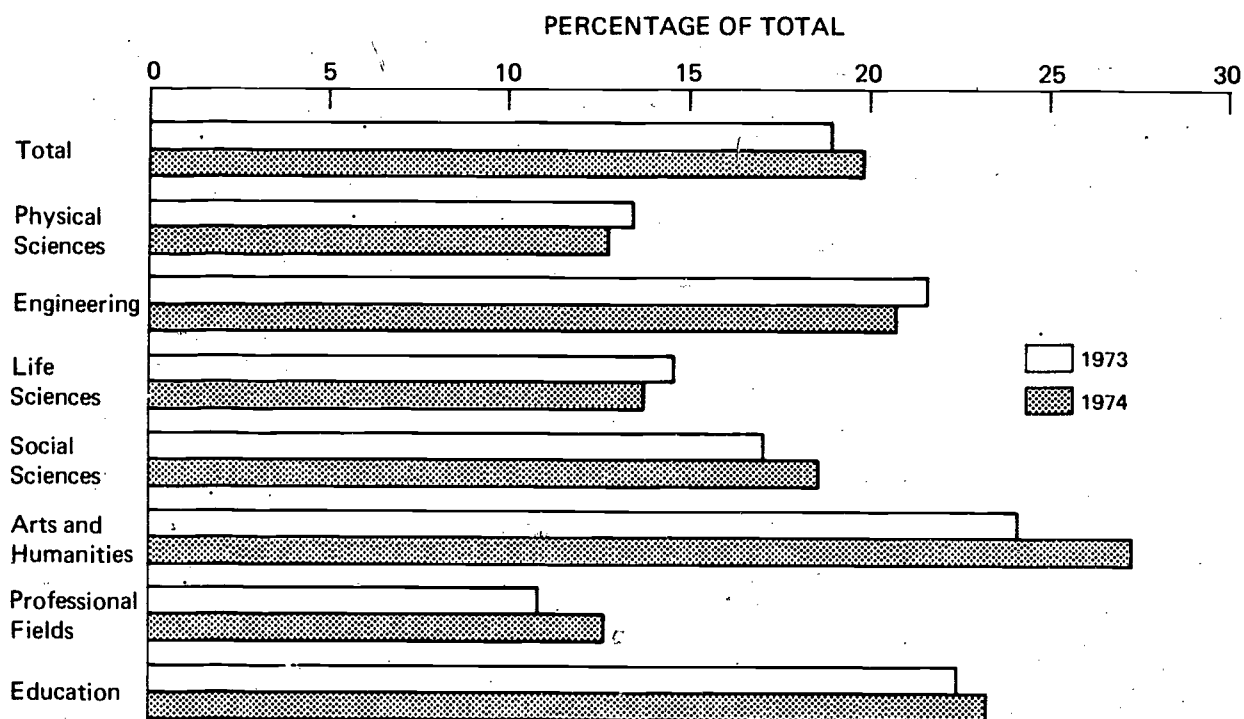
(see p. 25) that their postgraduation plans were employment, military service, or other (specify) and that they were still seeking employment as indicated by question "R" where they checked an item other than "have signed contract or made definite commitment." For the total doctorates there was an increase of 1.0%, from 18.9% in 1973 to 19.9% in 1974, in the proportion who did not have a definite employment commitment at the time the survey form was completed. This is a small change as a proportion of the total doctorates but it is approximately a five percent increase from 1973 to 1974 in the number of doctorates who were still seeking employment when surveyed. Although there was a small decrease of slightly less than one percent in the proportion of doctorates still seeking employment in the physical sciences, engineering and life sciences this was more than compensated for by the increase of one to two percent in the other fields.

The differences among racial and ethnic groups in the proportions still seeking employment when surveyed are shown in Figure 3. These differences are important but it is desirable to consider them in conjunction with the percentage that originally planned on employment. Although American Indians and Blacks have the highest proportions still seeking employment they also have high proportions who have found employment. The Orientals on the other hand had only 63.3% planning on employment so the 21.9% still seeking employment represents a third of those planning on employment. The citizenship status of individuals also affects employment plans and Table 2 shows considerable variability in citizenship status among the racial and ethnic groups.

Figure 4 shows that the proportion of women still seeking employment is higher than the corresponding proportion of male doctorates for all summary fields. For the total for all fields for women the proportion seeking employment is 26.0% compared with 18.4% for men.

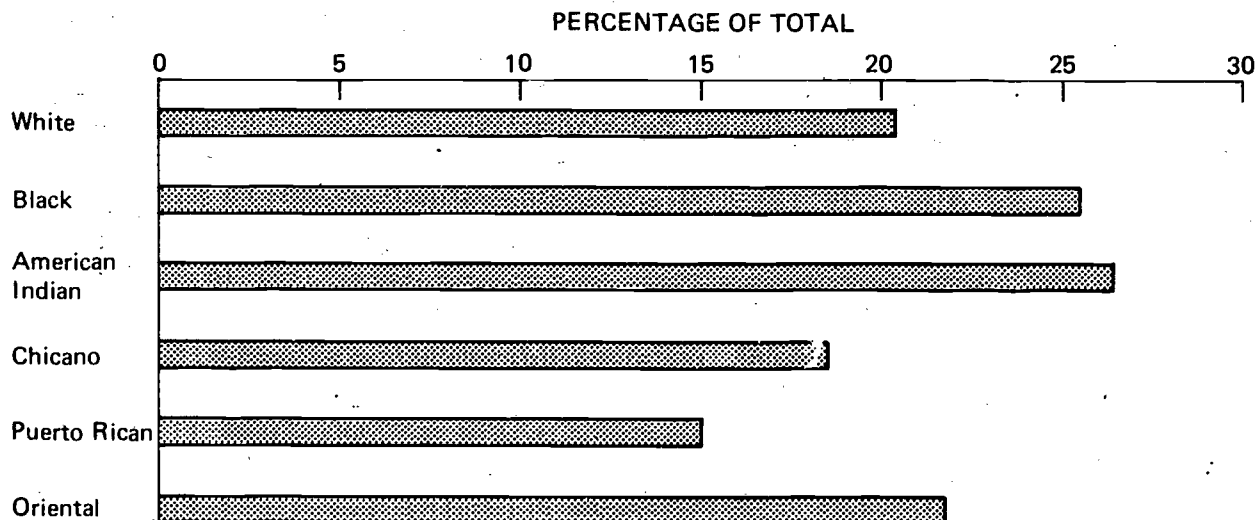
FIGURE 2 Postgraduation Plans

Total Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, 1973 and 1974



**FIGURE 3 Postgraduation Plans**

Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, by Racial or Ethnic Group, 1974



**FIGURE 4 Postgraduation Plans**

Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, by Sex, 1974

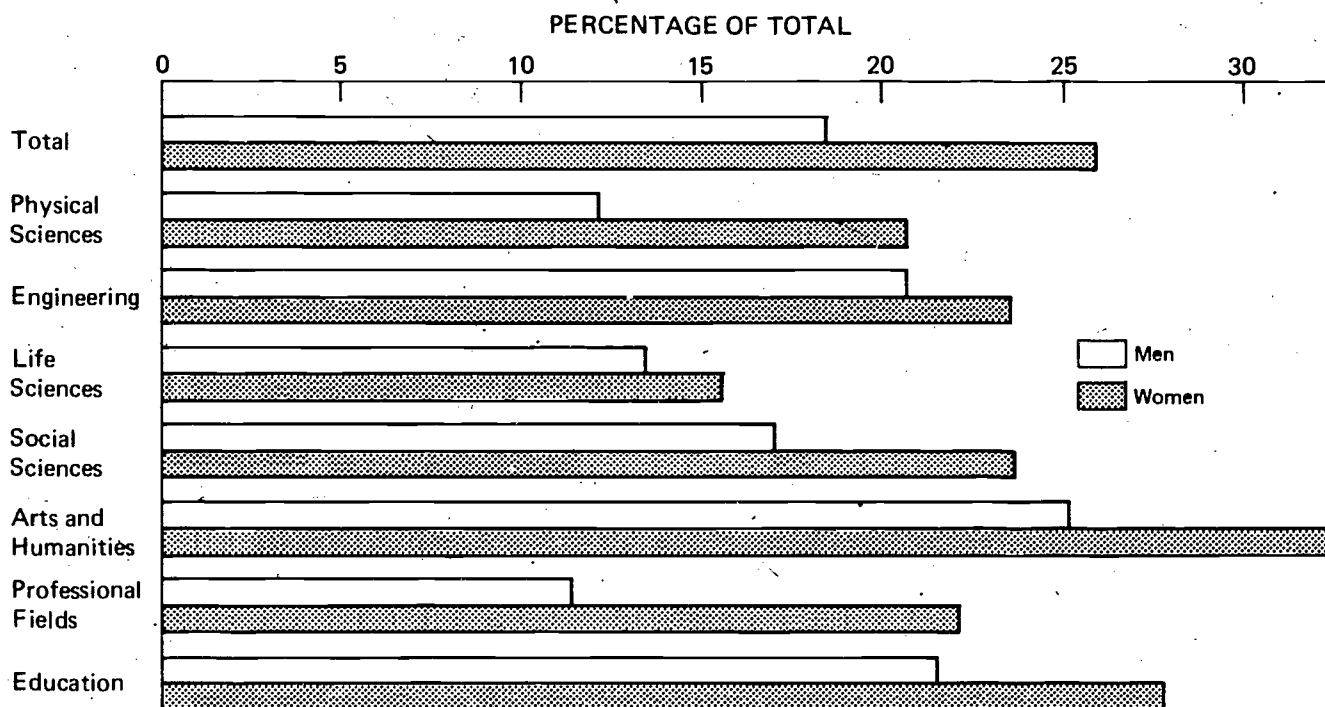




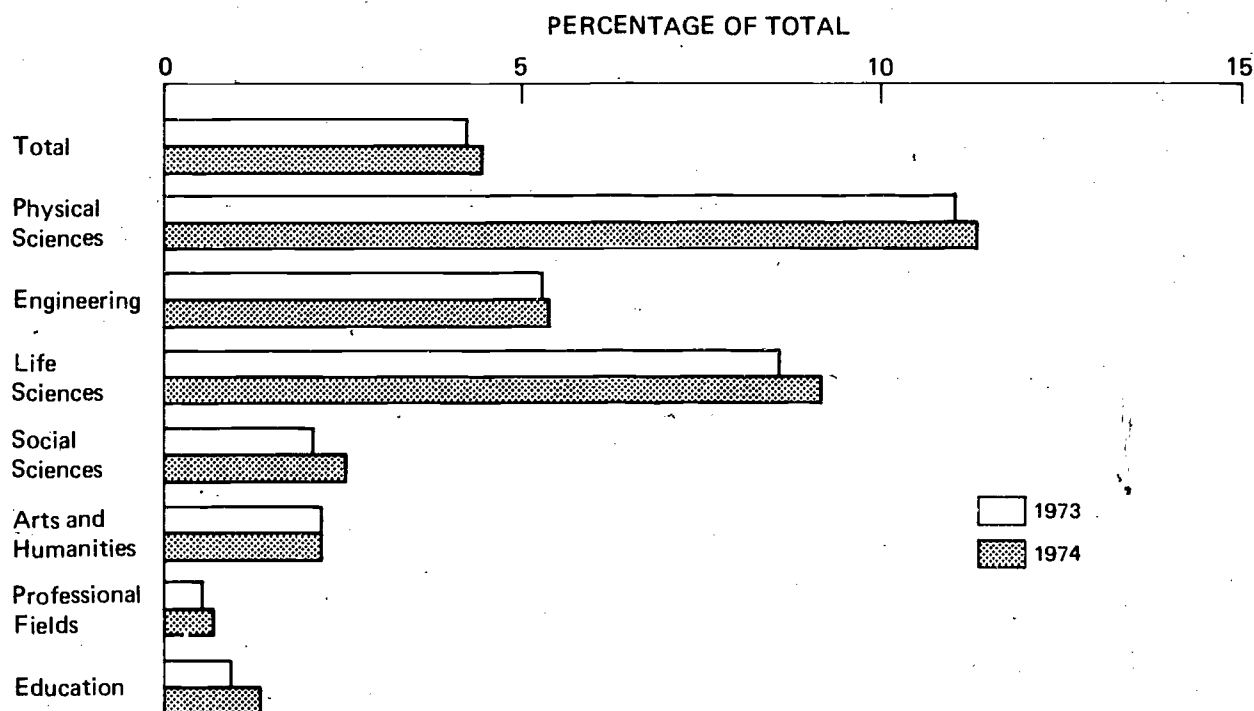
Figure 5 shows that 4.4% of the doctorates, or 1,464 individuals, were still seeking postdoctoral study at the time the survey form was completed while from Table 2 it can be seen that 10.5% or 3,462 had found definite postdoctoral employment. There was little change from 1973 to 1974 in the proportion of doctorates still seeking postdoctoral study when the forms were completed. On the other hand, there was a large variability among fields in 1974. In the physical sciences and life sciences, 11.3% and 9.1% respectively, of the doctorates in the field were still seeking postdoctorals whereas in other fields the percentages range from 0.8% to 5.3%. From Table 2 it can be seen that the physical science and life science fields account for 70% of the doctorates planning on postdoctoral study.

In drawing inferences from Figure 6, as with Figure 3, it is important to consider the citizenship status of the racial or ethnic group and the proportion of the group that was originally planning on postdoctoral study. For example, if the widely different proportions of Blacks (3.2%), American Indians (3.9%), and Orientals (13.9%) still seeking postdoctorals are expressed as percentages of the group proportions planning on postdoctorals it can be seen that 40.5%, 41.9%, and 42.4%, respectively, of those originally planning on further study are still seeking it.

As shown in Figure 7 there is little difference between the proportions of men and women doctorates still seeking postdoctoral study. In all fields except engineering there is a larger proportion of women than men seeking postdoctoral study with the largest differences occurring in the physical science and life science fields.

FIGURE 5 Postgraduation Plans

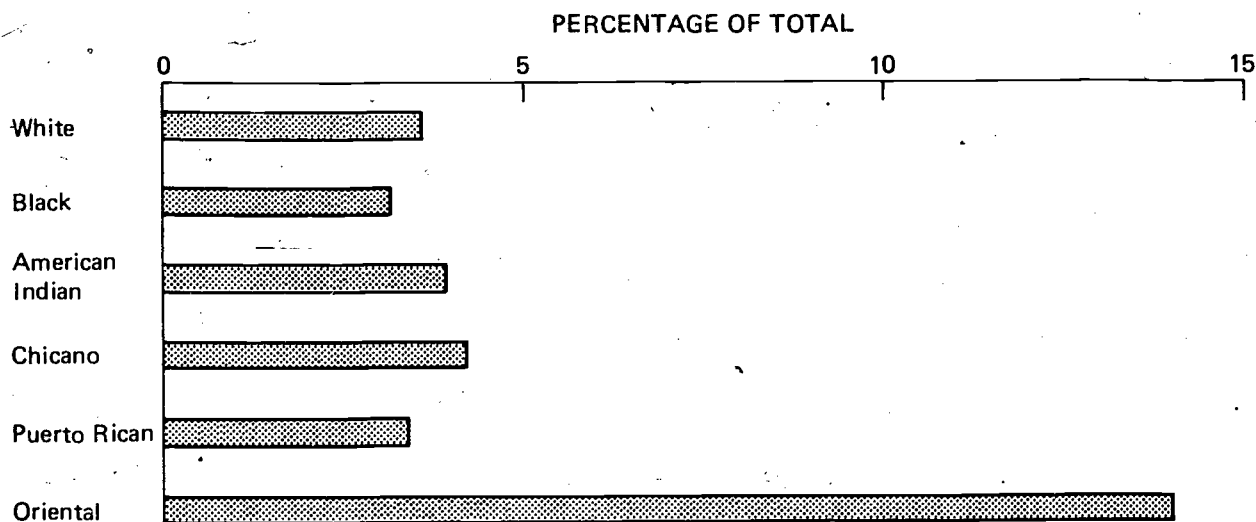
Total Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, 1973 and 1974





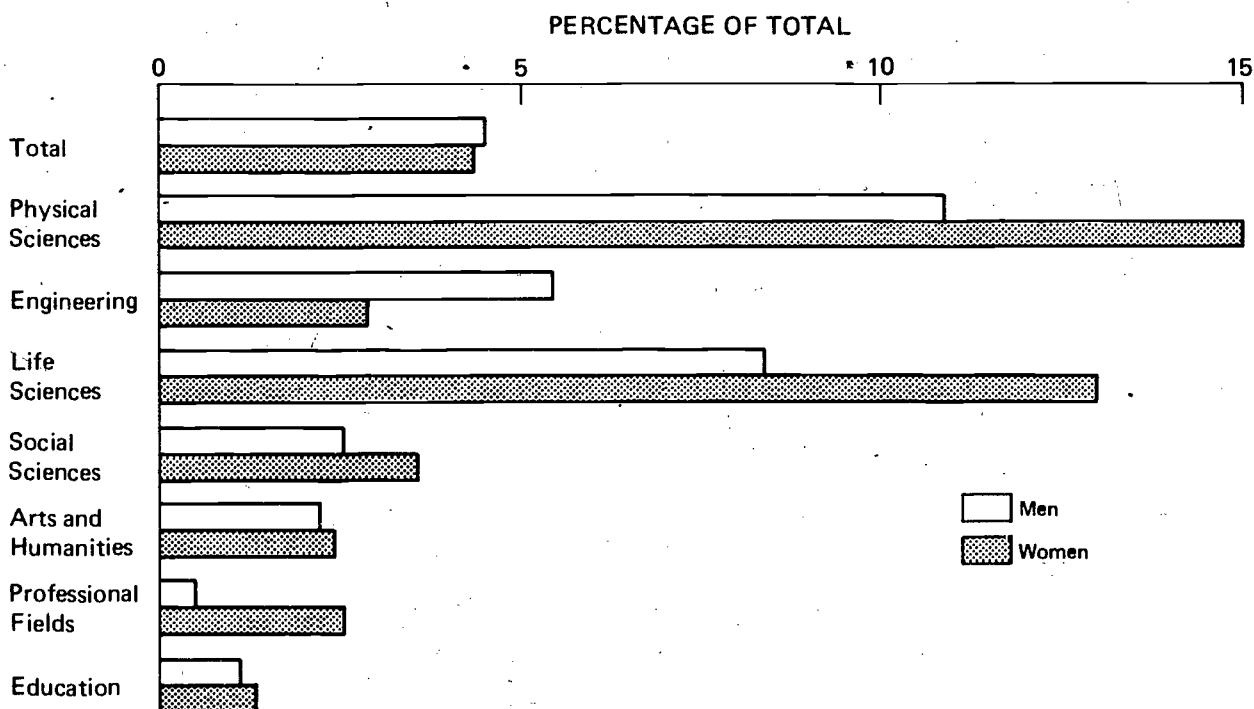
**FIGURE 6 Postgraduation Plans**

Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, by Racial or Ethnic Group, 1974



**FIGURE 7 Postgraduation Plans**

Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, by Sex, 1974



## EXPLANATION OF FIVE BASIC TABLES

TABLE 1	Number of Doctorate Recipients by Sex and Subfields, FY 1974
TABLE 2	Statistical Profile of All Doctorate Recipients and Women Doctorate Recipients by Field of Doctorate, FY 1974 (two tables)
TABLE 2a	New data items for Statistical Profile of All Doctorate Recipients and Women Doctorate Recipients by Field of Doctorate, FY 1973 (two tables)
TABLE 3	Percentage of FY 1974 Doctorate Recipients by Sources of Support in Graduate School, by Sex and Summary Fields
TABLE 4	Number of FY 1974 Doctorate Recipients by Sex, State of Doctoral Institution and Summary Field
TABLE 5	Statistical Profile of Doctorate Recipients by Racial or Ethnic Group and U.S. Citizenship Status, FY 1974

Table titles and headings are generally self-explanatory, but a few terms need special definition or explanation.

## Table 2:

There are two 2-page tables; one presents data about all doctorate recipients of FY 1974 and the other contains data about women only. The fields of the doctorate which head Table 2 are the same as those in the 1972 and 1973 reports but differ from those in the *Summary Reports* for 1967-71. This table provides data by field and also by broader summary field. Refer to page 27 for the codes included in each broad field and the Specialties List on page 26 for the codes and names of each subfield.

"Median Age at Doctorate"—One-half received the doctorate at this age or younger.

"Percent with Master's"—This indicates the percentage of doctorate recipients in a field who received a master's degree in any field before taking the doctorate.

"Median Time Lapse"—*Total Time* refers to total calendar time elapsed between year of baccalaureate and year of doctorate; *Registered Time* refers to the total time registered in a university between baccalaureate and doctorate.

Postgraduation plans of the doctorate recipients are grouped as: *Postdoctoral study* (fellowship, research associateship, traineeship, other), *Employment* (educational institution, industry, etc.), or *Unknown*. The sum of the columns of percentages totals 100% with allowance for rounding. For example, 4.3% of all the engineers plan to go to postdoctoral fellowships, 7.0% to research associateships, 0.3% to traineeships, and 0.6% plan on some other form of postdoctoral study support; 80.9% plan on employment; and 7.0% did not indicate their postgraduation plans. The percentages listed by type of employer (educational institution, industry, etc.) total to the 80.9% planning on employment.

Four new lines of data are included in this report to distinguish between individuals who have definite postgraduation plans (item R: "Have signed contract or made definite commitment" in the survey questionnaire p. 25) and those who are still seeking employment or postdoctoral study (item R: negotiating, seeking, or other). These four lines when added to the prior line "status unknown" total 100%. The two lines for definite postdoctoral study and seeking postdoctoral study add to the total percentage planning study and the two lines for definite employment and seeking employment add to the total percentage planning employment.

Percentages showing the distribution of doctorate recipients by *work activity* and by *region of employment* are based only on those who have a definite employment commitment. They exclude those still seeking employment and those planning postdoctoral study as described in the categories above. These data differ from earlier Summary Reports which included all individuals planning on employment i.e. those seeking as well as those having definite employment.

Table 2a:

The four lines of new data in Table 2 for doctorates seeking and those having definite employment or postdoctoral plans and the data on *work activity* and *region of employment* for those having definite employment are provided for 1973 to give a basis for comparison.

Table 3:

Data in Table 3 describe sources of financial support during graduate school. The question was answered by 30,655 (93%) of the FY 1974 doctorate recipients. The data in the table should be interpreted as follows: 449 male doctorate recipients in the physical sciences reported financial support from NSF fellowships during graduate school. This number is 10.5% of the male physical science doctorates who answered the question, and it is 34.4% of the males in all fields that reported NSF fellowship support. Since students may indicate multiple sources of support, the vertical percentages sum to more than 100%.

Table 4:

Table 4 shows the *number of persons* receiving a doctorate from universities in each of the 50 states, District of Columbia and Puerto Rico.

Table 5:

The 1973 Summary Report was the first to include data for racial and ethnic groups. The tables in that report stimulated many questions for more detailed data by individual racial or ethnic group. This report provides such data in Table 5 which contains data by race or ethnic group and by U.S. citizenship status for selected variables from Tables 2, 3 and 4.

Comparisons between the 1973 data and the 1974 data are somewhat tenuous because of the large number of cases (8,592) for which racial or ethnic data were unavailable in 1973. For this reason 1973 data in Table 5 format have not been included in this report. For people who have a special interest in minority data Table 5 for 1973 is available on request.

## ESTIMATION PROCEDURES

At the time data processing was done for the summary report the information available for 1,958 individuals, less than 6% of the total number, was incomplete. Since these individuals were not evenly distributed across fields and institutions, estimates for missing data were based on responses for individuals of the same sex in the same field and from the same institution for 1974 where data were available. When the 1974 data were not available, estimates were based on 1973 data for the appropriate sex, field and institution. The use of 1973 data could cause a small underestimate in measures of change from 1973 to 1974.

TABLE 1  
NUMBER OF DOCTORATE RECIPIENTS, BY SUBFIELDS, FISCAL YEAR 1974\*

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES			SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL		MEN	WOMEN	TOTAL
<b>TOTAL ALL FIELDS</b>	<b>26585</b>	<b>6415</b>	<b>33000</b>				
<b>PHYSICAL SCIENCES</b>	<b>4517</b>	<b>375</b>	<b>4892</b>				
<b>MATHEMATICS</b>	<b>1081</b>	<b>115</b>	<b>1196</b>	<b>CHEMICAL</b>	<b>396</b>	<b>8</b>	<b>404</b>
ALGEBRA	105	19	124	CERAMIC	24	2	26
ANALYSIS	189	24	213	ELECTRICAL	598	3	601
GEOMETRY	35	3	38	ELECTRONICS	84		84
LOGIC	19	2	21	INDUSTRIAL	92	1	93
NUMBER THEORY	21	2	23	NUCLEAR ENGINEERING	111	1	112
PROBABILITY, MATH STATISTICS	138	12	150	ENGINEERING MECHANICS	159	2	161
TOPOLOGY	97	15	112	ENGINEERING PHYSICS	26	1	27
COMPUTING THEORY AND PRACTICE	180	14	194	MECHANICAL	372	3	375
OPERATIONS RESEARCH	24		24	METALLURGY AND PHYS MET ENG	140	1	141
APPLIED MATHEMATICS	133	5	138	OPERATIONS RESEARCH	124	1	125
MATHEMATICS, GENERAL	101	10	111	FUEL TECH, PETROL ENGR	19		19
MATHEMATICS, OTHER	39	9	48	SANITARY	34		34
<b>PHYSICS AND ASTRONOMY</b>	<b>1277</b>	<b>57</b>	<b>1334</b>	MINING ENGINEERING	3		3
ASTRONOMY	51	5	56	MATERIAL SCIENCE ENGINEERING	120	1	121
ASTROPHYSICS	76	1	77	ENGINEERING, GENERAL	44	1	45
ATOMIC AND MOLECULAR PHYSICS	116	4	120	ENGINEERING, OTHER	172	1	173
ELECTROMAGNETISM	8		8				
MECHANICS	5	1	6	<b>LIFE SCIENCES</b>	<b>4031</b>	<b>863</b>	<b>4894</b>
ACOUSTICS	11		11	<b>BIOLOGICAL SCIENCES</b>	<b>2503</b>	<b>687</b>	<b>3190</b>
FLUIDS	21	1	22	BIOCHEMISTRY	459	147	606
PLASMA PHYSICS	57		57	BIOPHYSICS	105	14	119
OPTICS	25	1	26	BIOMETRICS, BIOSTATISTICS	28	7	35
THERMAL PHYSICS	18		18	ANATOMY	98	25	123
ELEMENTARY PARTICLES	137	11	148	CYTOLOGY	22	14	36
NUCLEAR STRUCTURE	143	1	144	EMBRYOLOGY	15	6	21
SOLID STATE	332	19	351	IMMUNOLOGY	54	17	71
PHYSICS, GENERAL	153	9	162	BOTANY	153	28	181
PHYSICS, OTHER	124	4	128	ECOLOGY	131	16	147
<b>CHEMISTRY</b>	<b>1618</b>	<b>174</b>	<b>1792</b>	HYDROBIOLOGY	16		16
ANALYTICAL	138	7	145	MICROBIOLOGY	275	105	380
INORGANIC	176	28	204	PHYSIOLOGY, ANIMAL	256	55	311
ORGANIC	573	50	623	PHYSIOLOGY, PLANT	68	10	78
NUCLEAR	30	2	32	ZOOLOGY	216	42	258
PHYSICAL	360	47	407	GENETICS	95	31	126
THEORETICAL	47	8	55	ENTOMOLOGY	161	14	175
AGRICULTURAL AND FOOD	11	2	13	MOLECULAR BIOLOGY	91	44	135
PHARMACEUTICAL	56	6	62	BIOL SCIENCES, GENERAL	124	56	180
POLYMER CHEMISTRY	33	2	35	BIOL SCIENCES, OTHER	136	56	192
CHEMISTRY, GENERAL	150	14	164	<b>AGRICULTURAL SCIENCES</b>	<b>962</b>	<b>48</b>	<b>1010</b>
CHEMISTRY, OTHER	44	8	52	AGRONOMY	129	3	132
<b>EARTH SCIENCES</b>	<b>541</b>	<b>29</b>	<b>570</b>	AGRICULTURAL ECONOMICS	174	6	180
MINERALOGY, PETROLOGY	39	1	40	ANIMAL HUSBANDRY	18		18
GEOCHEMISTRY	44	4	48	FOOD SCIENCE AND TECHNOLOGY	82	19	101
STRATIGR, SEDIMENTATION	47		47	FISH AND WILDLIFE	54	2	56
PALEONTOLOGY	35	4	39	FORESTRY	78		78
STRUCTURAL GEOLOGY	15		15	HORTICULTURE	43	2	45
GEOPHYSICS	78	4	82	SOILS AND SOIL SCIENCE	93	1	94
GEOMORPHOL, GLACIAL GEOLOGY	19	1	20	ANIMAL SCIENCES	127	9	136
HYDROLOGY	16	1	17	PHYTOPATHOLOGY	86	5	91
OCEANOGRAPHY	73	8	81	AGRICULTURE, GENERAL	5		5
METEOROLOGY	58	2	60	AGRICULTURE, OTHER	73	1	74
APPL GEOL, GEOL ENG, ECON GEOL	30		30	<b>MEDICAL SCIENCES</b>	<b>470</b>	<b>120</b>	<b>590</b>
FUEL TECHNOL, PETROL ENG	11	1	12	MEDICINE AND SURGERY	5		5
EARTH SCIENCES, GENERAL	50	1	51	PUBLIC HEALTH	67	34	101
EARTH SCIENCES, OTHER	26	2	28	VETERINARY MEDICINE	31	2	33
<b>ENGINEERING</b>	<b>3110</b>	<b>34</b>	<b>3144</b>	HOSPITAL ADMINISTRATION	7		7
AERONAUTICAL AND ASTRONAUTICAL	148	3	151	PARASITOLOGY	20	4	24
AGRICULTURAL	56		56	PATHOLOGY	73	8	81
BIOMEDICAL ENGINEERING	60	1	61	PHARMACOLOGY	143	35	178
CIVIL	328	4	332	PHARMACY	56	5	61
				MEDICAL SCIENCES, GENERAL	10	4	14
				MEDICAL SCIENCES, OTHER	58	28	86
				<b>ENVIRONMENTAL SCIENCES</b>	<b>96</b>	<b>8</b>	<b>104</b>

\*See note on page 11 re estimation procedures for this report.

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL

<b>SOCIAL SCIENCES (INCL PSYCH)</b>	<b>4724</b>	<b>1432</b>	<b>6156</b>
ANTHROPOLOGY	256	125	381
COMMUNICATIONS	218	65	283
SOCIOLOGY	461	184	645
ECONOMICS	760	73	833
ECONOMETRICS	19	1	20
STATISTICS	34	2	36
GEOGRAPHY	183	14	197
AREA STUDIES	25	9	34
POLITICAL SCIENCE,PUBLIC ADMIN	660	115	775
INTERNATIONAL RELATIONS	124	8	132
URBAN AND REG PLANNING	66	5	71
SOCIAL SCIENCES,GENERAL	25	9	34
SOCIAL SCIENCES,OTHER	97	31	128
<b>PSYCHOLOGY</b>	<b>1796</b>	<b>791</b>	<b>2587</b>
CLINICAL	529	222	751
COUNSELING AND GUIDANCE	144	64	208
DEVELOP AND GERONTOLOG	87	84	171
EDUCATIONAL	85	39	124
SCHOOL PSYCHOLOGY	53	39	92
EXPERIMENTAL	271	89	360
COMPARATIVE	23	6	29
PHYSIOLOGICAL	82	38	120
INDUSTRIAL AND PERSONNEL	76	7	83
PERSONALITY	44	15	59
PSYCHOMETRICS	18	9	27
SOCIAL	145	62	207
PSYCHOLOGY,GENERAL	155	60	215
PSYCHOLOGY,OTHER	84	57	141

**ARTS AND HUMANITIES 3606 1568 5174**

ART, FINE AND APPLIED	3	1	4
ART, HISTORY AND CRITICISM	70	55	125
HISTORY,AMERICAN	352	80	432
HISTORY,EUROPEAN	259	65	324
HISTORY,GENERAL AND OTHER	329	66	395
HISTORY AND PHILOSOPHY OF SCIENCE	23	9	32
MUSIC	308	72	380
SPEECH AS A DRAMATIC ART	111	32	143
ARCHEOLOGY	11	9	20
RELIGION	163	15	178
PHILOSOPHY	354	65	419
LINGUISTICS	99	68	167
AMERICAN LANG AND LIT	169	86	255
ENGLISH LANG AND LIT	687	425	1112
GERMAN LANG AND LIT	94	76	170
RUSSIAN LANG AND LIT	39	23	62
FRENCH LANG AND LIT	107	164	271
SPANISH AND PORTUGUESE LANG AND LIT	145	88	233
ITALIAN LANG AND LIT	13	13	26
CLASSICAL LANG AND LIT	55	33	88
ALL OTHER MODERN LANGUAGES	92	32	124
ARTS AND HUMANITIES,GENERAL	14	10	24
ARTS AND HUMANITIES,OTHER	109	81	190

**PROFESSIONAL FIELDS 1226 195 1421**

THEOLOGY	166	14	180
BUSINESS ADMINISTRATION	754	35	789
HOME ECONOMICS	7	36	43
JOURNALISM	21	1	22
SPEECH AND HEARING SCIENCES	90	40	130
LAW,JURISPRUDENCE	23	1	24
SOCIAL WORK	80	35	115
LIBRARY AND ARCHIVAL SCIENCE	34	22	56
PROFESSIONAL FIELDS,OTHER	51	11	62

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL

<b>EDUCATION</b>	<b>5322</b>	<b>1939</b>	<b>7261</b>
FOUNDATIONS,SOCIAL,PHILOS	209	74	283
EDUCATIONAL PSYCHOLOGY	311	171	482
ELEMENTARY EDUCATION, GENERAL	137	152	289
SECONDARY EDUCATION, GENERAL	160	47	207
HIGHER EDUCATION	464	113	577
ADULT EDUC AND EXTENSION EDUC	132	28	160
EDUCATIONAL MEAS AND STATISTICS	69	27	96
CURRICULUM AND INSTRUCTION	510	260	770
EDUCATIONAL ADMIN AND SUPERVISION	1239	162	1401
GUIDANCE,COUNS,STUDENT PERSONNEL	462	191	653
SPECIAL EDUC,GIFTED,HANDICAPPED,ETC	172	107	279
AUDIO-VISUAL MEDIA	67	15	82
AGRICULTURE	26		26
ART	39	18	57
BUSINESS	54	29	83
ENGLISH	56	36	92
FOREIGN LANGUAGE	19	11	30
HOME ECONOMICS	3	31	34
INDUSTRIAL ARTS	55	2	57
MATHEMATICS	86	24	110
MUSIC	103	20	123
PHYS ED, HEALTH, AND REC	249	106	355
SCIENCE EDUCATION	111	28	139
SOCIAL SCIENCE EDUCATION	56	11	67
VOCATIONAL EDUCATION	167	23	190
OTHER TEACHING FIELDS	75	86	161
EDUCATION,GENERAL	212	108	320
EDUCATION,OTHER	79	59	138

**OTHER AND UNSPECIFIED 49 9 58**

SOURCE: NRC, Commission on Human Resources,  
Doctorate Records File

TABLE 2  
STATISTICAL PROFILE OF FY 1974 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/ 2/

TOTAL ALL DOCTORATES

	FY 1974 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	EMP FIELDS	BASIC MEDICAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33000	1334	1792	570	3696	1196	3144	8036	1802	1388	3190	590	1010	104
MALE %	80.6	95.7	90.3	94.9	93.0	90.4	98.9	94.9	76.3	81.3	78.5	79.7	95.2	92.3
FEMALE %	19.4	4.3	9.7	5.1	7.0	9.6	1.1	5.1	23.7	18.7	21.5	20.3	4.8	7.7
U.S. CITIZENSHIP %	81.3	72.8	78.5	72.1	75.4	73.0	56.8	67.8	81.6	80.7	81.2	72.0	57.4	79.8
FOREIGN CITIZENSHIP %	16.1	25.2	19.8	25.3	22.6	24.8	40.1	29.8	15.6	16.6	16.1	21.7	40.9	17.3
UNKNOWN %	2.6	2.0	1.7	2.6	2.0	2.2	3.1	2.5	2.7	2.7	2.7	6.3	1.7	2.9
MARRIED %	70.8	65.4	69.4	76.1	69.0	64.7	71.2	69.2	69.6	70.6	70.0	72.4	82.3	78.8
NOT MARRIED %	24.5	30.8	27.1	17.5	27.0	31.6	23.9	26.5	26.5	24.9	25.8	21.7	14.7	20.2
UNKNOWN %	4.7	3.7	3.5	6.3	4.0	3.7	4.9	4.3	3.9	4.5	4.1	5.9	3.1	1.0
MEDIAN AGE AT DOCTORATE 3/	31.4	29.3	28.5	30.9	29.1	29.2	30.3	29.6	29.0	30.2	29.5	31.1	31.3	31.0
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	57.8	81.5	85.8	52.6	79.1	76.1	82.8	80.1	14.7	64.6	36.4	31.7	68.2	2.9
PERCENT WITH MASTERS	81.9	67.9	40.3	80.7	56.5	79.8	91.5	73.7	47.2	72.0	58.0	59.2	90.4	89.4
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	8.5	7.1	6.0	8.0	6.7	7.1	7.6	7.1	6.5	7.3	6.9	7.7	8.0	8.1
REGISTERED TIME YRS	5.9	6.1	5.2	5.7	5.6	5.5	5.6	5.6	5.4	5.8	5.6	5.6	5.4	5.6
POSTDOCTORAL STUDY PLANS %	14.9	46.2	47.3	20.2	42.7	9.2	12.2	25.8	63.3	28.5	48.2	30.8	14.7	9.6
FELLOWSHIP	6.8	17.5	23.2	8.6	18.9	3.7	4.3	10.9	35.0	14.8	26.2	14.4	4.9	1.9
RESEARCH ASSOC	5.9	26.5	21.7	10.9	21.8	3.8	7.0	13.3	19.8	11.5	16.2	9.2	7.7	5.8
TRAINEESHIP	.6	.4	.8	.5	.6	.8	.3	.5	1.4	.8	1.2	.8	.9	.0
OTHER	1.6	1.9	1.5	.2	1.4	1.0	.6	1.0	7.0	1.4	4.6	6.4	1.2	1.9
PLANNED EMPLOYMENT AFTER DOCTORATE %	77.6	46.2	47.4	71.1	50.6	84.0	80.9	67.4	31.0	62.2	44.6	58.3	79.3	82.7
EDUC INSTITUTION	51.6	16.1	13.4	31.1	17.1	61.4	20.4	25.0	18.6	41.3	28.5	30.2	40.1	30.8
INDUSTRY/BUSINESS	9.8	13.5	25.4	16.1	19.7	11.2	42.6	27.4	4.3	5.5	4.8	11.2	14.8	25.0
GOVERNMENT	8.9	11.7	5.5	18.1	9.7	5.2	12.5	10.1	4.8	9.6	6.9	10.7	18.3	16.3
NONPROFIT	3.3	.9	.9	1.1	.9	.8	2.5	1.5	1.6	1.5	1.6	3.9	1.9	6.7
OTHER & UNKNOWN	4.0	4.0	2.3	4.7	3.3	5.4	3.0	3.5	1.7	4.3	2.9	2.4	4.3	3.8
POSTDOCT STATUS UNKN %	7.5	7.6	5.3	8.8	6.7	6.8	7.0	6.8	5.7	9.2	7.2	10.8	6.0	7.7
DEFINITE POSTDOCTORAL STUDY	10.5	33.7	35.2	14.2	31.4	4.8	6.8	17.8	51.6	19.5	37.6	24.1	8.4	3.8
SEEKING POSTDOCTORAL STUDY	4.4	12.5	12.1	6.0	11.3	4.3	5.3	7.9	11.7	9.1	10.5	6.8	6.2	5.8
DEFINITE EMPLOYMENT	57.7	30.9	37.2	56.5	37.9	55.9	60.1	49.2	22.6	44.9	32.3	46.3	60.3	63.5
SEEKING EMPLOYMENT	19.9	15.3	10.3	14.6	12.7	28.2	20.8	18.2	8.4	17.4	12.3	12.0	19.0	19.2
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	22.2	60.0	62.5	47.8	58.4	30.7	62.3	55.6	40.3	33.5	36.2	47.3	51.6	27.3
TEACHING	50.5	27.4	24.0	33.5	27.2	57.0	19.8	28.7	43.2	49.0	46.7	32.2	26.3	25.8
ADMINISTRATION	11.3	1.7	2.6	4.7	2.8	2.4	2.7	2.7	3.4	2.2	2.7	7.0	3.1	7.6
PROF. SERVICES	8.8	1.2	3.5	5.3	3.2	4.3	6.5	5.0	6.6	6.7	6.7	7.3	8.2	16.7
OTHER	1.8	2.4	3.0	3.1	2.9	.9	3.4	2.8	.2	2.1	1.4	.7	3.6	12.1
ACTIVITY UNKNOWN	5.3	7.3	4.5	5.6	5.6	4.6	5.3	5.3	6.1	6.4	6.3	5.5	7.2	10.6
SECONDARY ACTIVITY														
R & D	26.1	15.0	15.6	27.6	18.2	41.3	16.3	21.2	30.7	30.2	30.4	26.7	19.4	30.3
TEACHING	8.8	8.0	3.5	8.7	6.0	14.2	6.2	7.5	14.3	12.4	13.1	16.5	15.6	9.1
ADMINISTRATION	8.1	7.3	11.0	7.5	9.1	2.8	8.3	7.7	7.4	7.2	7.3	11.0	6.7	6.1
PROF. SERVICES	6.1	3.6	3.0	6.2	3.9	3.4	5.1	4.4	5.2	3.7	4.3	6.2	5.7	4.5
OTHER	1.1	1.0	.2	.9	.6	.4	1.4	1.0	.0	.3	.2	.4	1.0	1.5
NO SECONDARY ACTIVITY	44.3	57.8	62.3	43.5	56.6	33.1	57.3	53.0	36.4	39.8	38.4	33.3	44.2	37.9
UNKNOWN	5.5	7.3	4.5	5.6	5.6	4.6	5.3	5.3	6.1	6.4	6.3	5.9	7.4	10.6
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	6.1	8.3	5.1	5.9	6.2	6.7	6.1	6.3	6.1	4.8	5.3	5.5	1.0	6.1
MIDDLE ATLANTIC	16.2	16.0	21.8	9.9	17.4	17.7	17.4	17.4	14.7	12.2	13.2	17.9	4.4	24.2
EAST NO CENTRAL	15.1	10.0	16.1	5.9	11.9	13.2	14.5	13.3	16.0	11.4	13.2	14.3	11.7	18.2
WEST NO CENTRAL	6.9	1.7	7.4	5.0	5.1	5.2	3.0	4.1	6.4	7.2	6.9	6.2	8.5	1.5
SOUTH ATLANTIC	16.2	21.8	21.8	15.8	20.4	16.5	13.4	16.4	22.4	16.2	18.6	16.5	12.8	19.7
EAST SO CENTRAL	5.1	4.4	5.0	2.8	4.3	3.6	3.8	3.9	3.9	6.3	5.3	5.5	5.1	4.5
WEST SO CENTRAL	7.4	2.9	5.1	13.4	6.4	7.9	6.8	6.8	8.1	8.7	8.4	7.3	7.1	6.1
MOUNTAIN	4.9	8.5	2.3	10.2	5.9	3.1	5.3	5.2	3.2	7.5	5.8	1.5	5.1	3.0
PACIFIC & INSULAR	10.8	10.9	7.5	13.0	9.8	12.1	14.9	12.6	7.6	11.2	9.8	9.9	9.2	12.1
FOREIGN	9.0	12.9	4.5	14.6	9.3	12.3	12.2	11.2	7.9	13.5	11.3	13.6	33.8	3.0
REGION UNKNOWN	2.2	2.7	3.6	3.4	3.3	1.6	2.6	2.7	3.7	1.0	2.0	1.8	1.3	1.5

1/ Refer to explanatory note on page 10 and description of doctoral field groupings on page 27.

2/ See note on page 11 re estimation procedures used for this report.

3/ For purposes of trend analysis of the "median age at doctorate" the medians for all categories in the Summary Reports of Doctorate Recipients from United States Universities for 1967 and 1968 should be adjusted by subtracting 0.5 years from the median given in the report. In the report for 1971 doctorates the median age for total doctorates shown as 30.1 should be corrected to 30.8.



TABLE 2. CONTINUED

TOTAL ALL DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI. PUBLIC ADMIN., INTERN'L REL.	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AHE LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED*	TOTAL NON-SCIENCES
4894	2587	853	1026	907	783	6156	19086	1183	1367	974	1650	5174	1421	7261	58	13914
82.4	69.4	91.3	69.9	86.4	82.8	76.7	85.8	81.4	62.6	56.0	75.3	69.7	86.3	73.3	84.5	73.3
17.6	30.6	8.7	30.1	13.6	17.2	23.3	14.2	18.6	37.4	44.0	24.7	30.3	13.7	26.7	15.5	26.7
75.2	92.8	69.4	84.2	80.8	82.0	85.0	75.2	91.2	91.7	84.0	86.8	88.6	81.1	92.3		89.6
21.9	5.1	28.6	12.3	16.1	14.9	12.4	22.2	5.9	5.5	14.6	10.0	8.7	14.1	5.7		7.7
2.9	2.0	2.0	3.5	3.1	3.1	2.6	2.6	2.9	2.8	1.4	3.2	2.7	4.7	2.0		2.7
73.0	67.0	73.7	69.9	71.7	71.8	69.7	70.3	69.7	63.6	64.8	63.6	65.2	72.8	75.8		71.5
22.9	29.3	22.4	25.2	22.8	21.3	25.7	25.3	25.1	31.3	30.7	30.0	29.4	20.1	20.0		23.5
4.1	3.7	3.9	4.9	5.5	6.9	4.6	4.3	5.2	5.0	4.5	6.4	5.4	7.0	4.2		5.1
30.1	29.4	30.2	31.7	31.7	32.0	30.6	30.0	31.7	31.5	32.6	32.5	32.1	32.9	36.3		34.1
41.7	66.2	61.0	49.4	58.3	42.3	58.5	63.3	68.0	79.1	63.9	51.3	64.8	37.9	42.3		50.2
65.5	78.3	74.8	83.9	87.4	93.0	82.0	74.2	90.7	88.2	88.1	82.7	87.0	92.2	96.4		92.3
7.2	6.7	7.3	8.5	8.9	8.9	7.7	7.3	9.1	9.0	9.2	9.8	9.3	9.9	12.4		10.7
5.5	5.4	5.4	6.2	6.1	5.7	5.6	5.6	6.8	6.4	6.7	6.6	6.6	6.0	6.3		6.4
38.3	13.1	3.8	6.3	7.1	3.3	8.5	23.4	6.2	2.8	4.4	4.1	4.3	2.1	2.8		3.3
19.9	6.2	.8	3.8	3.1	1.1	4.0	11.0	2.5	.7	2.1	1.7	1.7	.5	.9		1.1
13.4	2.8	2.1	1.4	2.4	1.5	2.3	9.8	1.3	.1	1.1	.7	.8	.6	.6		.7
1.0	1.8	.2	.3	.0	.4	.9	.8	.1	.1	.2	.3	.2	.5	.4		.3
4.0	2.2	.6	.9	1.5	.3	1.4	1.9	2.4	1.8	1.0	1.4	1.7	.6	.9		1.1
54.2	81.1	90.0	86.9	81.6	87.7	84.2	69.5	84.3	87.3	86.7	84.6	85.6	89.5	91.2		88.8
31.1	43.4	60.6	74.5	61.4	70.4	57.0	36.9	68.4	77.0	78.4	73.1	74.0	68.1	71.4		71.9
8.1	5.5	6.8	1.8	3.9	4.1	4.6	15.1	3.1	2.7	1.6	2.7	2.6	6.0	1.8		2.6
9.9	16.9	13.8	4.9	8.7	6.0	11.9	10.6	4.6	.9	1.6	1.6	2.1	6.2	9.7		6.5
2.0	11.1	3.6	3.3	3.3	3.4	6.6	3.3	1.8	.7	.4	3.5	1.8	7.5	3.4		3.2
3.1	4.2	5.2	2.5	4.3	3.8	4.0	3.6	6.4	6.1	4.5	3.8	5.1	1.8	4.9		4.6
7.4	5.8	6.2	6.7	11.4	8.9	7.2	7.1	9.6	9.9	8.9	11.3	10.1	8.4	6.0		7.9
29.2	9.7	2.6	4.3	3.7	1.7	5.9	16.9	2.4	1.5	2.1	2.3	2.0	1.3	1.5		1.7
9.1	3.4	1.2	2.0	3.3	1.7	2.6	6.5	3.8	1.3	2.4	1.8	2.2	.8	1.3		1.6
40.4	59.8	75.8	72.1	62.0	69.7	65.7	52.3	55.4	56.3	56.3	63.4	58.3	76.7	68.0		65.2
13.8	21.3	14.2	14.8	19.6	18.0	18.6	17.2	28.9	31.0	30.4	21.2	27.3	12.8	23.2		23.6
42.2	14.9	31.2	17.7	9.8	9.3	16.6	37.1	4.6	2.2	3.1	4.5	3.7	7.4	6.7		5.8
37.7	38.4	57.0	75.0	69.0	74.4	57.2	42.0	77.1	88.6	88.9	81.6	83.7	68.9	43.2		59.9
3.6	5.0	2.5	1.8	8.7	4.6	4.5	3.6	5.0	2.1	1.1	4.1	3.2	9.0	32.5		19.9
7.6	36.1	2.6	1.4	3.2	5.1	15.6	9.8	3.1	1.2	.5	3.6	2.3	8.3	10.7		7.6
2.3	1.3	2.3	1.1	2.3	2.6	1.7	2.3	3.5	2.1	1.3	1.7	2.1	1.6	.9		1.4
6.6	4.3	4.3	3.1	6.9	4.0	4.4	5.2	6.7	3.9	5.1	4.4	4.9	4.8	6.1		5.5
26.5	34.4	37.9	49.5	38.4	40.1	39.0	29.5	29.3	27.7	30.7	27.8	28.6	35.2	15.8		22.4
14.2	12.9	9.3	8.4	5.3	7.9	9.8	9.8	4.3	2.2	2.2	5.4	3.8	7.4	10.3		7.7
7.6	7.6	7.3	4.7	6.0	6.6	6.7	7.2	6.7	7.8	7.7	8.0	7.6	8.6	9.9		9.0
5.0	9.4	3.7	3.1	2.3	3.3	5.5	5.0	3.1	2.7	1.8	4.8	3.3	8.9	9.3		7.3
.5	.9	.2	.3	.7	.9	.6	.7	.6	2.5	1.5	3.4	2.2	1.3	1.2		1.6
39.5	30.1	37.4	30.9	39.7	37.0	33.7	42.5	49.3	53.1	51.1	46.0	49.5	33.6	47.3		46.4
6.7	4.6	4.3	3.1	7.5	4.2	4.6	5.3	6.7	4.0	5.1	4.5	5.0	5.0	6.2		5.6
4.0	7.0	7.0	7.4	4.6	4.8	6.5	5.9	10.8	9.7	9.7	6.7	8.9	4.5	5.2		6.3
11.5	20.1	15.6	17.7	14.9	15.6	17.6	16.3	19.5	20.9	17.9	18.1	19.1	12.4	15.0		16.1
13.0	16.6	10.7	14.3	12.1	18.3	14.8	13.9	12.1	15.5	15.9	17.2	15.4	17.2	16.7		16.4
7.1	6.2	6.0	5.9	5.2	6.2	6.0	5.5	6.4	6.5	9.7	8.1	7.6	8.0	9.0		8.4
16.6	15.6	22.4	14.1	22.1	13.7	17.1	16.7	17.4	15.3	13.0	15.4	15.4	16.2	15.8		15.7
5.3	5.2	4.0	4.7	5.5	3.5	4.8	4.5	5.5	5.6	3.5	3.7	4.5	6.3	6.3		5.7
7.8	6.2	3.6	5.7	6.8	5.3	5.6	6.5	7.5	7.5	5.8	7.0	7.0	10.3	8.8		8.4
4.9	3.4	2.6	5.5	3.7	5.5	4.0	4.7	3.4	3.4	4.9	4.0	3.9	5.1	6.2		5.3
9.7	12.2	9.0	11.8	10.7	15.8	11.9	11.7	8.2	9.6	11.7	9.7	9.7	9.1	10.1		9.8
18.3	3.6	16.8	11.1	11.9	9.7	9.1	11.7	6.9	4.3	5.7	8.0	6.4	9.4	5.0		6.0
1.8	3.7	2.3	1.8	2.5	1.6	2.7	2.5	2.3	1.7	2.4	2.1	2.1	1.4	2.0		1.9

\*Statistics are not presented for this group because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.



TABLE 2  
STATISTICAL PROFILE OF FY 1974 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/ 2/

## WOMEN DOCTORATES

	FY 1974 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	EMP FIELDS	BASIC MEDICAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES *
NUMBER IN FIELD	33000	1334	1792	570	3696	1196	3144	8036	1802	1388	3190	590	1010	104
TOTAL FEMALE % FEMALE	6415 19.4	57 4.3	174 9.7	29 5.1	260 7.0	115 9.6	34 1.1	409 5.1	427 23.7	260 18.7	687 21.5	120 20.3	48 4.8	8 7.7
U.S. CITIZENSHIP %	87.1	47.4	71.8	72.4	66.5	71.3	52.9	66.7	84.3	82.7	83.7	76.7	45.8	
FOREIGN CITIZENSHIP %	10.1	43.9	25.9	27.6	30.0	27.8	44.1	30.6	12.6	14.6	13.4	17.5	50.0	
UNKNOWN %	2.9	8.8	2.3	.0	3.5	.9	2.9	2.7	3.0	2.7	2.9	5.8	4.2	
MARRIED %	53.5	64.9	49.4	62.1	54.2	59.1	67.6	56.7	53.6	50.0	52.3	53.3	64.6	
NOT MARRIED %	42.6	26.3	47.7	37.9	41.9	35.7	26.5	38.9	42.6	45.8	43.8	41.7	31.3	
UNKNOWN %	4.0	8.8	2.9	.0	3.8	5.2	5.9	4.4	3.7	4.2	3.9	5.0	4.2	
MEDIAN AGE AT DOCTORATE	32.3	29.7	28.2	30.6	28.6	28.9	29.2	28.7	28.8	29.3	29.0	31.9	30.8	
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	53.2	80.7	85.6	44.8	80.0	83.5	58.8	79.2	16.2	68.8	36.1	41.7	31.3	
PERCENT WITH MASTERS	83.4	73.7	46.6	82.8	56.5	84.3	85.3	66.7	45.7	63.8	52.5	62.5	93.8	
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	9.5	7.6	6.0	7.5	6.5	6.9	6.7	6.6	6.6	7.1	6.8	9.6	8.4	
REGISTERED TIME YRS	6.0	6.4	5.3	5.4	5.5	5.6	4.7	5.5	5.4	5.9	5.5	5.6	5.5	
POSTDOCTORAL STUDY PLANS %	13.4	45.6	47.1	17.2	43.5	6.1	5.9	29.8	64.6	36.9	54.1	29.2	31.3	
FELLOWSHIP	6.4	19.3	17.8	6.9	16.9	1.7	.0	11.2	39.1	18.8	31.4	16.7	6.3	
RESEARCH ASSOC	4.2	24.6	24.1	6.9	22.3	1.7	5.9	15.2	17.8	15.4	16.9	6.7	20.8	
TRAINEESHIP	.8	.0	2.9	3.4	2.3	.9	.0	1.7	2.1	.8	1.6	1.7	2.1	
OTHER	2.0	1.8	2.3	.0	1.9	1.7	.0	1.7	5.6	1.9	4.2	4.2	2.1	
PLANNED EMPLOYMENT AFTER DOCTORATE %	78.3	38.6	46.0	79.3	48.1	89.6	79.4	62.3	26.9	51.2	36.1	60.8	58.3	
EDUC INSTITUTION	60.4	19.3	20.7	44.8	23.1	65.2	52.9	37.4	18.3	41.9	27.2	37.5	35.4	
INDUSTRY/BUSINESS	3.1	7.0	16.7	13.8	14.2	7.8	20.6	13.0	1.6	1.5	1.6	3.3	12.5	
GOVERNMENT	5.2	3.5	2.9	6.9	3.5	1.7	.0	2.7	1.9	2.7	2.2	8.3	8.3	
NONPROFIT	3.3	.0	.6	3.4	.8	.9	.0	.7	1.9	.4	1.3	5.8	.0	
OTHER & UNKNOWN	6.3	8.8	5.2	10.3	6.5	13.9	5.9	8.6	3.3	4.6	3.8	5.8	2.1	
POSTDOCT STATUS UNKN %	8.3	15.8	6.9	3.4	8.5	4.3	14.7	7.8	8.4	11.9	9.8	10.0	10.4	
DEFINITE POSTDOCTORAL STUDY	9.0	28.1	31.6	10.3	28.5	.9	2.9	18.6	50.4	25.8	41.0	20.0	10.4	
SEEKING POSTDOCTORAL STUDY	4.3	17.5	15.5	6.9	15.0	5.2	2.9	11.2	14.3	11.2	13.1	9.2	20.8	
DEFINITE EMPLOYMENT	52.2	8.8	29.9	48.3	27.3	49.6	55.9	35.9	15.9	33.1	22.4	38.3	39.6	
SEEKING EMPLOYMENT	26.0	29.8	16.1	31.0	20.8	40.0	23.5	26.4	11.0	18.1	13.7	22.5	18.8	
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	10.9	20.0	57.7	50.0	53.5	26.3	36.8	40.8	26.5	23.3	24.7	30.4	36.8	
TEACHING	64.3	80.0	40.4	42.9	43.7	66.7	52.6	53.7	58.8	64.0	61.7	47.8	47.4	
ADMINISTRATION	8.5	.0	.0	.0	.0	1.8	.0	.7	4.4	1.2	2.6	6.5	5.3	
PROF. SERVICES	10.2	.0	1.9	.0	1.4	3.5	.0	2.0	1.5	7.0	4.5	6.5	5.3	
OTHER	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	
ACTIVITY UNKNOWN	4.7	.0	.0	7.1	1.4	1.8	10.5	2.7	8.8	4.7	6.5	6.5	5.3	
SECONDARY ACTIVITY														
R & D	29.1	40.0	17.3	28.6	21.1	47.4	26.3	32.0	38.2	39.5	39.0	21.7	36.8	
TEACHING	9.1	.0	5.8	7.1	5.6	21.1	10.5	12.2	7.4	12.8	10.4	15.2	15.8	
ADMINISTRATION	7.3	.0	5.8	.0	4.2	.0	.0	2.0	5.9	4.7	5.2	13.0	.0	
PROF. SERVICES	6.6	.0	.0	.0	.0	1.8	5.3	1.4	4.4	1.2	2.6	4.3	10.5	
OTHER	1.5	.0	1.9	.0	1.4	.0	.0	.7	.0	1.2	.6	.0	.0	
NO SECONDARY ACTIVITY	41.6	60.0	69.2	57.1	66.2	28.1	47.4	49.0	35.3	36.0	35.7	39.1	31.6	
UNKNOWN	4.8	.0	.0	7.1	1.4	1.8	10.5	2.7	8.8	4.7	6.5	6.5	5.3	
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	8.0	40.0	3.8	7.1	7.0	8.8	10.5	8.2	8.8	2.3	5.2	4.3	.0	
MIDDLE ATLANTIC	19.7	20.0	23.1	28.6	23.9	26.3	26.3	25.2	16.2	17.4	16.9	30.4	.0	
EAST NO CENTRAL	15.0	.0	9.6	.0	7.0	12.3	15.8	10.2	19.1	9.3	13.6	6.5	10.5	
WEST NO CENTRAL	6.7	.0	11.5	.0	8.5	7.0	.0	6.8	4.4	5.8	5.2	2.2	26.3	
SOUTH ATLANTIC	15.7	.0	23.1	7.1	18.3	10.5	.0	12.9	25.0	17.4	20.8	15.2	15.8	
EAST SO CENTRAL	4.9	.0	5.8	.0	4.2	.0	.0	2.0	4.4	9.3	7.1	2.2	5.3	
WEST SO CENTRAL	6.7	.0	5.8	14.3	7.0	7.0	5.3	6.8	4.4	7.0	5.8	4.3	10.5	
MOUNTAIN	4.2	.0	1.9	7.1	2.8	3.5	.0	2.7	2.9	9.3	6.5	.0	.0	
PACIFIC & INSULAR	11.3	.0	7.7	14.3	8.5	17.5	15.8	12.9	8.8	14.0	11.7	23.9	10.5	
FOREIGN	5.5	40.0	5.8	14.3	9.9	1.8	26.3	8.8	1.5	5.8	3.9	10.9	21.1	
REGION UNKNOWN	2.3	.0	1.9	7.1	2.8	5.3	.0	3.4	4.4	2.3	3.2	.0	.0	

1/ Refer to explanatory note on page 10 and the description of doctoral field groupings on page 27.  
2/ See note on page 11 re estimation procedures used for this report.

TABLE 2. CONTINUED

## WOMEN DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT. SCI., PUBLIC ADMIN., INTERN'L REL.	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AHER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED *	TOTAL NON-SCIENCES
4894	2587	853	1026	907	783	6156	19086	1183	1367	974	1650	5174	1421	7261	58	13914
863	791	74	309	123	135	1432	2704	220	511	429	408	1568	195	1939	9	3711
17.6	30.6	8.7	30.1	13.6	17.2	23.3	14.2	18.6	37.4	44.0	24.7	30.3	13.7	26.7	15.5	26.7
80.8	91.4	79.7	85.8	87.8	85.9	88.8	82.9	93.6	91.4	83.0	86.0	88.0	86.2	92.5		90.2
15.9	6.6	20.3	11.3	8.1	9.6	8.7	14.3	5.5	4.7	15.6	9.8	9.1	10.8	4.8		7.0
3.4	2.0	.0	2.9	4.1	4.4	2.5	2.8	.9	3.9	1.4	4.2	2.9	3.1	2.7		2.9
53.3	54.0	67.6	56.3	56.1	49.6	55.0	54.7	61.8	55.8	56.9	49.8	55.4	48.2	50.9		52.5
42.6	43.4	31.1	40.1	38.2	43.7	41.6	41.5	35.5	40.1	38.7	45.6	40.5	49.2	45.1		43.3
4.1	2.7	1.4	3.6	5.7	6.7	3.4	3.8	2.7	4.1	4.4	4.7	4.1	2.6	4.1		4.1
29.4	29.6	28.6	32.0	31.2	31.2	30.3	29.8	32.6	32.0	32.5	32.4	32.4	36.1	37.6		34.9
36.3	61.6	73.0	49.5	57.7	33.3	56.6	53.5	68.6	76.3	68.5	45.6	65.1	39.0	44.7		53.0
56.7	76.4	75.7	84.5	84.6	91.9	80.2	70.7	92.3	87.5	89.5	83.8	87.8	96.9	96.3		92.6
7.1	7.1	6.9	8.9	9.6	8.4	7.8	7.3	9.8	9.5	9.4	9.5	9.5	12.9	13.4		11.2
5.5	5.6	5.2	6.4	6.1	5.3	5.7	5.6	6.9	6.5	6.5	6.2	6.5	6.0	6.2		6.3
49.0	14.7	5.4	10.7	10.6	5.2	12.1	26.6	4.5	2.3	4.0	5.9	4.0	4.6	3.6		3.8
27.8	6.7	.0	5.8	5.7	2.2	5.7	13.6	2.3	.2	2.1	2.2	1.5	1.5	.7		1.1
15.5	2.7	5.4	3.2	1.6	1.5	2.7	8.7	1.8	.2	.9	1.0	.8	.5	1.1		1.0
1.6	2.3	.0	.3	.0	.0	1.3	1.5	.0	.2	.2	.2	1.5	.3	.3		.3
4.1	3.0	.0	1.3	3.3	1.5	2.4	2.8	.5	1.8	.7	2.5	1.5	1.0	1.4		1.4
41.0	80.4	90.5	83.8	80.5	85.9	82.2	66.1	87.3	84.9	85.1	82.1	84.6	90.3	89.1		87.2
29.1	47.4	67.6	73.8	60.2	68.1	57.2	45.2	72.3	74.0	73.2	70.8	72.7	74.4	70.2		71.4
2.5	3.5	4.1	1.3	.8	1.5	2.7	4.2	3.6	2.7	2.8	3.2	3.0	2.6	1.6		2.2
3.4	13.1	14.9	2.9	7.3	5.2	9.8	6.7	1.4	.4	1.4	1.2	1.0	3.1	6.9		4.2
2.0	10.7	2.7	2.3	3.3	5.2	7.3	4.6	1.4	.8	.0	1.7	.9	4.1	5.5		2.4
4.1	5.6	1.4	3.6	8.9	5.9	5.2	5.4	8.6	7.0	7.7	5.1	7.0	6.2	7.0		6.9
10.0	4.9	4.1	5.5	8.9	8.9	5.7	7.4	8.2	12.7	11.0	12.0	11.4	5.1	7.3		9.0
36.0	10.7	2.7	7.1	8.1	1.5	8.4	18.8	.5	1.4	1.6	2.7	1.7	2.1	2.2		1.9
13.0	3.9	2.7	3.6	2.4	3.7	3.6	7.8	4.1	1.0	2.3	3.2	2.4	2.6	1.4		1.9
25.7	54.2	75.7	64.4	58.5	60.7	58.5	44.6	55.0	51.3	47.1	57.6	52.3	68.2	61.2		57.7
15.3	26.2	14.9	19.4	22.0	25.2	23.7	21.4	32.3	33.7	38.0	24.5	32.3	22.1	27.9		29.4
26.6	12.1	39.3	15.6	12.5	6.1	14.2	19.7	3.3	2.7	3.5	6.0	3.9	7.5	7.2		6.0
57.7	41.7	55.4	80.9	75.0	75.6	58.1	57.5	85.1	88.5	88.6	84.3	86.8	69.2	54.9		68.1
3.6	4.4	1.8	.0	5.6	8.5	3.7	3.3	2.5	1.9	.5	2.1	1.7	8.3	18.4		11.4
5.0	35.7	.0	.5	2.8	2.4	18.9	14.3	.8	.8	.5	1.7	1.0	8.3	12.7		7.9
.9	1.2	.0	.5	2.8	3.7	1.3	1.1	4.1	2.3	2.5	2.6	2.7	1.5	.8		1.6
6.3	4.9	3.6	2.5	1.4	3.7	3.8	4.1	4.1	3.8	4.5	3.4	3.9	5.3	5.8		5.0
34.7	33.6	37.5	55.8	43.1	31.7	39.7	37.9	37.2	31.3	30.7	31.9	32.2	30.1	17.9		24.1
11.7	14.9	14.3	7.0	4.2	11.0	11.7	11.8	4.1	2.3	2.5	4.3	3.2	7.5	10.6		7.6
6.8	5.4	8.9	3.5	8.3	4.9	5.4	5.2	5.0	6.5	5.0	5.1	5.5	10.5	10.1		8.4
3.6	10.3	5.4	2.5	4.2	4.9	7.0	5.7	4.1	2.7	.5	5.5	3.2	9.0	9.6		7.1
.5	1.4	.0	.0	.0	.0	.7	.7	.0	2.7	2.0	5.1	2.8	.0	1.6		2.0
36.5	29.1	30.4	28.6	37.5	43.9	31.3	34.4	45.5	50.8	55.0	44.7	49.3	37.6	44.2		45.7
6.3	5.4	3.6	2.5	2.8	3.7	4.2	4.4	4.1	3.8	4.5	3.4	3.9	5.3	5.9		5.1
4.5	9.1	16.1	8.5	5.6	7.3	8.9	8.0	13.2	13.7	8.9	8.9	11.1	4.5	6.1		8.0
18.5	23.8	17.9	23.1	22.2	11.0	21.8	21.6	20.7	21.8	22.8	21.3	21.7	15.8	16.8		18.7
11.7	15.9	8.9	17.1	11.1	18.3	15.5	14.2	9.1	14.5	11.4	16.2	13.4	14.3	17.1		15.5
6.3	5.6	8.9	6.0	4.2	9.8	6.2	6.3	5.8	6.9	9.4	8.5	7.8	11.3	5.8		7.0
19.4	13.8	7.1	12.6	25.0	18.3	14.4	15.2	21.5	12.2	12.9	14.9	14.5	15.8	17.0		16.0
5.9	3.0	3.6	4.0	2.8	.0	3.0	3.4	5.0	5.7	3.5	3.0	4.3	6.8	6.7		8.7
5.9	4.7	1.8	5.0	2.8	4.9	4.4	5.0	5.0	4.2	6.9	5.5	5.4	7.5	9.3		7.7
4.5	3.5	3.6	2.5	2.8	4.9	3.3	3.5	3.3	3.4	4.0	3.4	3.5	3.8	5.5		4.6
14.4	14.7	17.9	11.6	12.5	19.5	14.4	14.3	10.7	10.3	11.4	8.9	10.2	9.8	9.1		9.6
6.8	2.8	8.9	9.0	9.7	6.1	5.6	6.2	3.3	5.0	5.0	7.2	5.4	8.3	4.6		5.1
2.3	3.3	5.4	.5	1.4	.0	2.3	2.4	2.5	2.3	4.0	2.1	2.7	2.3	1.9		2.2

\*Statistics are not presented because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 2A  
STATISTICAL PROFILE OF FY 1973 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/

TOTAL ALL DOCTORATES

	FY 1973 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	EMP. FIELDS	BASIC MEDICAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33727	1590	1849	577	4016	1222	3338	8576	1850	1529	3379	573	1031	85
DEFINITE POSTDOCTORAL STUDY	11.4	33.6	37.8	15.9	33.0	6.8	8.9	19.9	52.1	21.9	38.4	24.6	10.2	5.9
SEEKING POSTDOCTORAL STUDY	4.2	11.3	11.6	8.5	11.1	2.7	5.2	7.6	10.1	9.4	9.7	4.9	6.6	5.9
DEFINITE EMPLOYMENT	59.3	32.5	32.4	54.8	35.7	59.6	59.8	48.5	23.9	44.4	33.2	46.9	59.9	61.2
SEEKING EMPLOYMENT	18.9	14.5	12.0	15.4	13.4	24.9	21.7	18.2	8.9	17.7	12.9	15.0	19.2	21.2
EMPLOYMENT ACTIVITY AFTER DOCTORATE														
PRIMARY ACTIVITY														
R & D	21.1	58.4	55.7	42.7	53.8	26.9	61.1	52.6	41.0	30.3	34.5	37.5	52.1	32.7
TEACHING	52.9	30.4	31.0	38.3	32.4	64.1	21.6	32.8	43.7	54.2	50.0	35.7	23.0	28.8
ADMINISTRATION	11.0	3.7	2.5	1.9	2.8	1.2	3.4	2.8	2.9	2.8	2.9	7.4	2.6	13.5
PROF. SERVICES	8.3	2.7	3.5	7.3	4.0	3.3	5.9	4.8	7.5	4.7	5.8	10.4	8.9	7.7
OTHER	1.7	1.5	2.0	4.7	2.4	.8	2.9	2.4	1.4	2.7	2.1	3.0	5.0	9.6
ACTIVITY UNKNOWN	5.0	3.3	5.3	5.1	4.5	3.6	5.1	4.6	3.6	5.3	4.6	5.9	8.4	7.7
SECONDARY ACTIVITY														
R & D	25.9	16.4	14.7	29.1	18.5	43.3	17.3	22.3	29.9	33.6	32.1	29.4	16.5	25.0
TEACHING	7.9	5.2	3.0	9.5	5.2	10.4	6.5	6.8	16.5	9.1	12.0	15.2	12.1	13.5
ADMINISTRATION	7.5	6.6	7.8	7.6	7.3	3.0	9.1	7.4	7.7	7.5	7.6	8.2	7.6	13.5
PROF. SERVICES	6.2	4.6	3.7	7.9	5.0	4.7	5.7	5.3	3.6	5.9	5.0	4.5	7.9	5.8
OTHER	1.1	.4	.5	.3	.4	.5	1.1	.7	.7	.4	.5	1.1	.8	.0
NO SECONDARY ACTIVITY	46.5	63.4	65.0	40.5	59.0	34.5	55.2	52.9	38.0	38.1	38.1	35.7	46.6	34.6
UNKNOWN	5.0	3.3	5.3	5.1	4.5	3.6	5.1	4.6	3.6	5.3	4.6	5.9	8.4	7.7
REGION OF EMPLOYMENT AFTER DOCTORATE														
NEW ENGLAND	6.1	6.6	5.8	5.4	6.0	7.3	7.2	6.8	3.8	3.8	3.8	4.8	2.9	3.8
MIDDLE ATLANTIC	15.7	16.1	21.8	12.7	17.7	15.8	17.5	17.3	14.0	13.7	13.8	15.2	6.0	17.3
EAST NO CENTRAL	16.3	9.1	18.8	8.2	13.0	17.2	13.9	14.2	17.0	11.6	13.7	16.4	10.8	19.2
WEST NO CENTRAL	6.6	4.1	6.0	1.9	4.4	5.6	4.1	4.5	7.0	6.2	6.5	8.2	8.7	5.8
SOUTH ATLANTIC	15.7	18.4	17.3	18.4	17.9	13.6	13.5	15.1	18.6	18.9	18.7	15.2	15.0	21.2
EAST SO CENTRAL	4.9	4.6	2.7	1.9	3.2	4.5	3.7	3.7	5.2	6.0	5.7	5.6	5.2	5.8
WEST SO CENTRAL	7.2	5.2	5.0	14.2	7.1	5.6	6.9	6.7	8.6	7.4	7.9	5.6	8.1	3.8
MOUNTAIN	5.2	9.5	2.8	10.4	6.9	4.5	6.2	6.2	1.1	4.9	3.4	2.2	4.2	7.7
PACIFIC & INSULAR	11.4	16.4	7.7	13.3	12.1	12.4	13.3	12.7	13.6	13.7	13.6	12.6	7.1	13.5
FOREIGN	8.7	7.2	8.2	11.4	8.5	11.4	11.1	10.3	8.4	12.5	10.9	13.4	29.8	.0
REGION UNKNOWN	2.2	2.9	3.8	2.2	3.1	2.1	2.6	2.7	2.7	1.3	1.9	.7	2.1	1.9
WOMEN DOCTORATES														
NUMBER IN FIELD	6082	56	179	22	257	119	45	421	398	321	719	108	37	7 2/
DEFINITE POSTDOCTORAL STUDY	9.2	33.9	25.1	22.7	26.8	9.2	13.3	20.4	51.3	24.9	39.5	26.9	13.5	
SEEKING POSTDOCTORAL STUDY	4.5	17.9	17.3	9.1	16.7	2.5	8.9	11.9	13.1	11.8	12.5	2.8	8.1	
DEFINITE EMPLOYMENT	52.7	23.2	25.7	40.9	26.5	56.3	51.1	37.5	19.3	33.0	25.5	38.0	45.9	
SEEKING EMPLOYMENT	25.9	12.5	23.5	22.7	21.0	28.6	22.2	23.3	11.3	23.1	16.6	21.3	27.0	
EMPLOYMENT ACTIVITY AFTER DOCTORATE														
PRIMARY ACTIVITY														
R & D	12.1	30.8	34.8	33.3	33.8	26.9	56.5	34.2	29.9	33.0	31.7	29.3	41.2	
TEACHING	63.7	38.5	58.7	55.6	54.4	67.2	34.8	57.0	57.1	56.6	56.8	51.2	47.1	
ADMINISTRATION	7.6	.0	.0	.0	.0	.0	.0	.0	2.6	.0	1.1	9.8	5.9	
PROF. SERVICES	10.3	7.7	4.3	11.1	5.9	4.5	.0	4.4	3.9	1.9	2.7	2.4	.0	
OTHER	1.6	7.7	2.2	.0	2.9	.0	4.3	1.9	.0	.9	.5	4.9	.0	
ACTIVITY UNKNOWN	4.8	15.4	.0	.0	2.9	1.5	4.3	2.5	6.5	7.5	7.1	2.4	5.9	
SECONDARY ACTIVITY														
R & D	26.3	7.7	21.7	55.6	23.5	44.8	26.1	32.9	33.8	32.1	32.8	34.1	17.6	
TEACHING	7.6	.0	2.2	22.2	4.4	13.4	17.4	10.1	11.7	9.4	10.4	12.2	5.9	
ADMINISTRATION	6.6	7.7	2.2	11.1	4.4	3.0	4.3	3.8	5.2	4.7	4.9	2.4	17.6	
PROF. SERVICES	6.5	7.7	4.3	11.1	5.9	4.5	4.3	5.1	2.6	4.7	3.8	7.3	.0	
OTHER	1.7	.0	2.2	.0	1.5	.0	.0	.6	.0	.0	.0	.0	.0	
NO SECONDARY ACTIVITY	46.5	61.5	67.4	.0	57.4	32.8	43.5	44.9	40.3	41.5	41.0	41.5	52.9	
UNKNOWN	4.8	15.4	.0	.0	2.9	1.5	4.3	2.5	6.5	7.5	7.1	2.4	5.9	
REGION OF EMPLOYMENT AFTER DOCTORATE														
NEW ENGLAND	7.5	7.7	8.7	22.2	10.3	4.5	4.3	7.0	5.2	3.8	4.4	4.9	.0	
MIDDLE ATLANTIC	18.4	15.4	26.1	11.1	22.1	20.9	26.1	22.2	18.2	9.4	13.1	31.7	11.8	
EAST NO CENTRAL	17.5	30.8	21.7	22.2	23.5	11.9	21.7	18.4	18.2	17.0	17.5	14.6	23.5	
WEST NO CENTRAL	6.3	.0	6.5	.0	4.4	4.5	4.3	4.4	9.1	8.5	8.7	2.4	5.9	
SOUTH ATLANTIC	14.8	7.7	8.7	11.1	8.8	16.4	4.3	11.4	10.4	17.0	14.2	14.6	5.9	
EAST SO CENTRAL	3.8	15.4	4.3	.0	5.9	4.5	4.3	5.1	2.6	2.8	2.7	2.4	5.9	
WEST SO CENTRAL	7.8	.0	2.2	22.2	4.4	4.5	.0	3.8	14.3	5.7	9.3	.0	5.9	
MOUNTAIN	4.3	7.7	6.5	.0	5.9	3.0	.0	3.8	2.6	3.8	3.3	.0	5.9	
PACIFIC & INSULAR	11.3	7.7	2.2	11.1	4.4	22.4	13.0	13.3	14.3	17.0	15.6	19.5	5.9	
FOREIGN	5.4	7.7	8.7	.0	7.4	6.0	17.4	8.2	2.6	13.2	8.7	9.8	29.4	
REGION UNKNOWN	3.0	.0	4.3	.0	2.9	1.5	4.3	2.5	2.6	1.9	2.2	.0	.0	

TABLE 2A CONTINUED

## TOTAL ALL DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED	TOTAL NON-SCIENCES
5068	2444	938	923	906	700	5911	19555	1213	1412	1003	1736	5364	1461	7248	99	24172
30.6	9.4	3.5	4.6	3.3	1.9	5.9	18.4	2.7	1.9	3.4	2.3	2.5	1.4	1.4		1.8
8.5	3.0	.9	2.1	2.2	.6	2.1	6.2	3.0	1.6	3.0	1.8	2.2	.6	1.0		1.4
40.6	61.7	78.7	73.1	69.5	75.9	69.1	52.7	60.4	63.6	61.9	65.4	63.1	80.6	70.5		68.5
14.6	20.3	11.7	14.5	17.0	16.9	17.1	16.9	26.6	25.8	22.9	21.5	24.1	10.9	22.4		21.7
40.1	15.3	25.6	16.9	11.4	13.9	16.7	35.9	4.9	1.1	2.9	3.2	3.0	7.9	6.3		5.4
39.5	38.1	61.8	74.8	68.9	70.2	57.4	43.9	82.0	92.1	88.4	83.4	86.3	67.1	45.8		62.5
3.6	5.2	3.4	2.7	7.8	6.0	5.0	3.8	4.5	1.4	1.8	3.8	3.0	9.7	31.0		18.6
7.4	36.6	3.4	1.8	2.1	4.0	15.3	9.5	1.9	.3	1.3	2.6	1.6	8.5	10.5		7.2
3.3	1.0	1.1	.6	2.7	1.5	1.3	2.1	1.2	.9	.3	2.5	1.4	1.3	1.4		1.2
6.0	3.7	4.7	3.3	7.1	4.3	4.4	4.8	5.5	4.1	5.3	4.5	4.8	5.5	5.3		5.1
26.9	34.5	37.5	46.7	39.4	36.2	38.0	29.4	31.9	30.3	30.0	27.7	29.7	30.0	15.3		22.1
12.5	13.2	6.8	9.0	4.8	5.8	9.1	8.8	3.0	1.3	2.1	3.8	2.7	7.6	9.5		6.9
7.8	7.3	6.2	4.0	6.5	6.2	6.3	7.1	4.9	4.3	4.0	5.8	4.9	8.0	9.9		7.9
5.8	9.3	3.1	2.1	2.7	4.1	5.3	5.4	1.9	2.7	1.3	4.7	2.9	9.6	9.0		7.0
.7	.9	.5	.4	.8	1.5	.8	.8	.5	1.9	1.3	4.1	2.2	1.3	1.2		1.5
40.2	31.1	41.1	34.5	38.7	41.8	36.0	43.7	52.3	55.3	56.0	49.5	52.8	38.0	49.8		49.5
6.0	3.6	4.7	3.3	7.1	4.3	4.4	4.8	5.5	4.1	5.3	4.5	4.8	5.5	5.3		5.1
3.7	7.3	7.2	7.0	7.8	4.5	6.9	6.2	7.4	9.4	9.3	6.6	8.0	4.6	5.0		6.0
11.7	21.1	14.9	15.1	15.4	14.3	17.2	16.1	18.3	18.6	17.7	17.4	18.0	11.7	14.3		15.2
13.3	17.1	12.5	16.3	15.2	17.9	15.9	14.7	16.6	17.3	20.9	16.8	17.7	16.2	18.6		18.0
7.4	6.3	5.0	6.5	4.3	6.4	5.8	5.6	7.6	6.3	7.2	7.9	7.3	6.0	8.4		7.7
17.2	14.3	20.7	14.7	21.4	13.6	16.5	16.1	15.4	14.3	15.0	13.7	14.4	18.6	15.3		15.4
5.5	4.8	3.9	1.5	4.6	3.8	3.9	4.2	5.3	5.5	2.9	4.1	4.5	5.9	6.5		5.7
7.5	6.1	5.6	4.9	5.1	8.5	6.0	6.6	7.2	7.6	6.9	6.9	7.1	10.0	7.8		7.8
3.6	4.6	3.5	5.9	3.5	4.3	4.4	5.0	3.7	4.6	4.3	4.0	4.1	5.7	6.3		5.5
11.6	12.5	8.3	15.1	8.9	13.9	11.8	12.1	9.8	9.2	8.7	12.5	10.4	10.0	11.0		10.7
16.6	3.1	16.9	11.9	11.1	11.7	9.4	11.2	7.1	5.3	5.3	8.3	6.7	9.4	4.6		6.0
1.8	2.8	1.5	1.2	2.7	1.1	2.1	2.3	1.5	2.0	1.6	1.9	1.8	1.9	2.3		2.1
WOMEN DOCTORATES																
871	716	57	250	118	102	1243	2535	179	517	417	434	1547	200	1784	16	3547
36.6	10.3	.0	3.2	3.4	2.0	7.1	19.4	4.5	1.4	2.6	1.6	2.1	2.5	1.6		1.9
11.4	3.6	.0	3.6	.8	1.0	3.0	7.3	5.6	2.5	3.8	3.0	3.4	1.0	1.7		2.4
28.0	53.5	82.5	61.6	63.6	62.7	58.2	44.4	53.6	54.9	50.6	55.8	53.8	68.5	62.2		58.7
17.5	26.0	14.0	23.6	23.7	26.5	24.8	22.0	29.6	33.3	32.6	27.2	31.0	20.5	27.7		28.6
32.4	14.4	29.8	17.5	18.7	23.4	17.3	22.9	6.3	1.4	5.2	6.2	4.3	10.2	7.3		6.3
54.5	36.6	55.3	75.3	68.0	70.3	52.3	53.4	81.3	91.2	87.7	82.2	86.6	65.7	56.5		69.2
2.9	3.9	2.1	2.6	2.7	3.1	3.3	2.8	4.2	1.4	.9	2.5	1.9	8.8	16.6		10.2
2.9	40.2	4.3	.0	4.0	.0	22.0	15.4	.0	.4	1.9	1.2	1.0	8.8	12.3		7.5
1.2	1.0	.0	.6	5.3	3.1	1.5	1.5	2.1	1.1	.5	3.7	1.8	.0	1.6		1.6
6.1	3.9	8.5	3.9	1.3	.0	3.6	4.0	6.3	4.6	3.8	4.1	4.4	6.6	5.7		5.2
31.6	33.2	23.4	51.3	40.0	39.1	37.6	35.6	33.3	28.5	22.7	29.3	27.9	24.8	15.9		21.3
10.7	14.9	12.8	9.7	4.0	4.7	11.6	11.2	1.0	1.4	1.9	4.1	2.3	6.6	8.0		5.6
5.7	5.7	2.1	4.5	6.7	1.6	5.0	5.0	3.1	3.9	4.7	5.4	4.4	5.8	9.9		7.4
4.1	8.9	2.1	2.6	4.0	.0	5.8	5.3	2.1	1.4	.9	3.7	2.0	14.6	10.1		7.2
.0	1.0	.0	.6	.0	3.1	1.0	.7	1.0	2.5	2.8	5.4	3.2	1.5	1.6		2.3
41.8	32.4	51.1	27.3	44.0	51.6	35.4	38.1	53.1	57.7	63.0	47.9	55.7	40.1	48.8		51.0
6.1	3.9	8.5	3.9	1.3	.0	3.6	4.0	6.3	4.6	3.8	4.1	4.4	6.6	5.7		5.2
4.1	10.4	8.5	10.4	9.3	9.4	10.1	8.4	11.5	9.2	11.8	7.9	9.7	5.1	5.1		7.0
16.4	27.2	21.3	12.3	21.3	17.2	22.1	20.9	21.9	20.4	20.4	17.4	19.7	16.8	15.1		17.0
17.2	13.6	12.8	10.4	10.7	17.2	12.9	14.6	11.5	22.5	19.9	22.3	20.5	15.3	18.2		19.0
7.4	6.5	6.4	7.1	6.7	4.7	6.5	6.4	5.2	6.0	7.1	6.2	6.2	3.6	6.5		6.2
13.9	13.1	23.4	14.3	20.0	12.5	14.7	14.0	12.5	12.7	16.1	13.6	13.8	18.2	15.9		15.2
2.9	2.9	6.4	2.6	2.7	1.6	2.9	3.2	4.2	2.1	1.9	2.9	2.5	2.9	5.6		4.2
7.4	4.4	6.4	5.8	2.7	10.9	5.3	5.5	7.3	6.7	5.7	6.6	6.5	11.7	10.6		9.0
2.9	3.4	2.1	7.8	1.3	4.7	4.1	3.8	2.1	4.6	2.8	3.3	3.5	5.8	5.3		4.6
16.0	13.1	4.3	15.6	8.0	14.1	12.6	13.4	13.5	8.1	7.1	11.6	9.5	10.2	10.6		10.1
10.2	3.4	6.4	11.7	10.7	7.8	6.5	7.6	6.3	3.9	4.7	5.0	4.7	7.3	3.6		4.3
1.6	2.1	2.1	1.9	6.7	.0	2.4	2.2	4.2	3.9	2.4	3.3	3.4	2.9	3.5		3.4

TABLE 3  
PERCENTAGE OF FY 1974 DOCTORATE RECIPIENTS, BY SOURCES OF SUPPORT IN GRADUATE SCHOOL, BY SUMMARY FIELDS <sup>1/</sup> <sup>2/</sup>

SOURCES OF SUPPORT IN GRADUATE SCHOOL		PHYSICAL <sup>3/</sup> SCIENCES	ENGI- NEERING	DOCTORATE RECIPIENTS BY FIELD LIFE SCIENCES	SOCIAL SCIENCES	ARTS AND HUMANITIES	PROF. FIELDS	EDUCA- TION	TOTAL
		MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN
NSF FELLOWSHIP	N	449/ 33	189/ 2	198/ 62	192/ 57	22/ 10	5/ 1	250/ 41	1305/ 206
	V%	10.5/ 9.2	6.5/ 6.3	5.2/ 7.8	4.4/ 4.3	.7/ .7	.5/ .5	5.0/ 2.3	5.3/ 3.5
	H%	34.4/16.0	14.5/ 1.0	15.2/30.1	14.7/27.7	1.7/ 4.9	.4/ .5	19.2/19.9	100.1/100.1
NSF TRAINEESHIP	N	512/ 61	272/ 1	219/ 63	194/ 55	12/ 7	6/ 0	26/ 4	1241/ 191
	V%	12.0/17.0	9.3/ 3.1	5.8/ 7.9	4.4/ 4.1	.4/ .5	.5/ .0	.5/ .2	5.0/ 3.2
	H%	41.3/31.9	21.9/ .5	17.6/33.0	15.6/28.8	1.0/ 3.7	.5/ .0	2.1/ 2.1	100.0/100.0
NIH FELLOWSHIP	N	67/ 7	24/ 2	255/ 72	276/ 163	4/ 2	22/ 6	15/ 18	663/ 270
	V%	1.6/ 1.9	.8/ 6.3	6.7/ 9.1	6.3/12.2	.1/ .1	2.0/ 3.3	.3/ 1.0	2.7/ 4.6
	H%	10.1/ 2.6	3.6/ .7	38.5/26.7	41.6/60.4	.6/ .7	3.3/ 2.2	2.3/ 6.7	100.0/100.0
NIH TRAINEESHIP	N	77/ 5	43/ 1	729/ 253	337/ 156	6/ 2	24/ 9	17/ 15	1233/ 441
	V%	1.8/ 1.4	1.5/ 3.1	19.2/31.9	7.7/11.7	.2/ .1	2.2/ 4.9	.3/ .9	5.0/ 7.5
	H%	6.2/ 1.1	3.5/ .2	59.1/57.4	27.3/35.4	.5/ .5	1.9/ 2.0	1.4/ 3.4	99.9/100.0
NOEA FELLOWSHIP	N	392/ 34	206/ 3	283/ 80	567/ 151	764/ 290	114/ 9	462/ 140	2789/ 707
	V%	9.2/ 9.5	7.1/ 9.4	7.5/10.1	12.9/11.3	23.0/20.2	10.3/ 4.9	9.3/ 8.0	11.3/ 12.0
	H%	14.1/ 4.8	7.4/ .4	10.1/11.3	20.3/21.4	27.4/41.0	4.1/ 1.3	16.6/19.8	100.0/100.0
OTHER NEW	N	19/ 1	23/ 2	115/ 38	228/ 120	37/ 15	66/ 26	245/ 124	733/ 326
	V%	.4/ .3	.8/ 6.3	3.0/ 4.8	5.2/ 9.0	1.1/ 1.0	6.0/14.2	4.9/ 7.1	3.0/ 5.5
	H%	2.6/ .3	3.1/ .6	15.7/11.7	31.1/36.8	5.0/ 4.6	9.0/ 8.0	33.4/38.0	99.9/100.0
AEC FELLOWSHIP	N	51/ 4	63/ 1	34/ 5	1/ 1	1/ 0	0/ 0	7/ 0	157/ 11
	V%	1.2/ 1.1	2.2/ 3.1	.9/ .6	.0/ .1	.0/ .0	.0/ .0	.1/ .0	.6/ .2
	H%	32.5/36.4	40.1/ 9.1	21.7/45.5	.6/ 9.1	.6/ .0	.0/ .0	4.5/ .0	100.0/100.1
NASA TRAINEESHIP	N	141/ 11	101/ 3	47/ 6	18/ 2	4/ 0	7/ 0	6/ 0	324/ 22
	V%	3.3/ 3.1	3.5/ 9.4	1.2/ .8	.4/ .1	.1/ .0	.6/ .0	.1/ .0	1.3/ .4
	H%	43.5/50.0	31.2/13.6	14.5/27.3	5.6/ 9.1	1.2/ .0	2.2/ .0	1.9/ .0	100.1/100.0
GI BILL	N	344/ 1	195/ 0	423/ 4	581/ 4	421/ 2	202/ 0	1097/ 11	3263/ 22
	V%	8.1/ .3	6.7/ .0	11.1/ .5	13.3/ .3	12.7/ .1	18.3/ .0	22.0/ .6	13.2/ .4
	H%	10.5/ 4.5	6.0/ .0	13.0/18.2	17.8/18.2	12.9/ 9.1	6.2/ .0	33.6/50.0	100.0/100.0
OTHER FEDERAL SUPPORT	N	207/ 10	246/ 1	286/ 33	437/ 124	153/ 57	85/ 21	327/ 119	1741/ 365
	V%	4.8/ 2.8	8.4/ 3.1	7.5/ 4.2	10.0/ 9.3	4.6/ 4.0	7.7/11.5	6.6/ 6.8	7.0/ 6.2
	H%	11.9/ 2.7	14.1/ .3	16.4/ 9.0	25.1/34.0	8.8/15.6	4.9/ 5.8	18.8/32.6	100.0/100.0
WOODROW WILSON FELLOWSHIP	N	21/ 5	2/ 0	2/ 1	98/ 35	205/ 104	3/ 3	5/ 3	336/ 151
	V%	.5/ 1.4	.1/ .0	.1/ .1	2.2/ 2.6	6.2/ 7.2	.3/ 1.6	.1/ .2	1.4/ 2.6
	H%	6.3/ 3.3	.6/ .0	.6/ .7	29.2/23.2	61.0/68.9	.9/ 2.0	1.5/ 2.0	100.1/100.1
OTHER NATIONAL FELLOWSHIP	N	65/ 11	53/ 1	84/ 23	212/ 81	207/ 117	38/ 13	165/ 60	824/ 306
	V%	1.5/ 3.1	1.8/ 3.1	2.2/ 2.9	4.8/ 6.1	6.2/ 8.1	3.4/ 7.1	3.3/ 3.4	3.3/ 5.2
	H%	7.9/ 3.6	6.4/ .3	10.2/ 7.5	25.7/26.5	25.1/38.2	4.6/ 4.2	20.0/19.6	99.9/ 99.9
UNIVERSITY FELLOWSHIP	N	840/ 90	448/ 7	481/ 153	1006/ 347	1150/ 503	226/ 40	529/ 220	4680/ 1360
	V%	19.7/25.1	15.4/21.9	12.7/19.3	23.0/25.9	34.6/35.0	20.5/21.9	10.6/12.6	18.9/ 23.1
	H%	17.9/ 6.6	9.6/ .5	10.3/11.3	21.5/25.5	24.6/37.0	4.8/ 2.9	11.3/16.2	100.0/100.0
TEACHING ASSISTANTSHIP	N	3040/ 264	1187/ 13	1488/ 343	2371/ 625	2103/ 866	527/ 64	1610/ 611	12326/ 2786
	V%	71.2/73.5	40.7/40.6	39.2/43.2	54.1/46.7	63.4/60.2	47.7/35.0	32.3/34.9	49.8/ 47.3
	H%	24.7/ 9.5	9.6/ .5	12.1/12.3	19.2/22.4	17.1/31.1	4.3/ 2.3	13.1/21.9	100.1/100.0
RESEARCH ASSISTANTSHIP	N	2460/ 188	1761/ 20	1726/ 265	1544/ 436	409/ 171	276/ 43	903/ 298	9079/ 1421
	V%	57.6/52.4	60.4/62.5	45.5/33.4	35.3/32.6	12.3/11.9	25.0/23.5	18.1/17.0	36.7/ 24.1
	H%	27.1/13.2	19.4/ 1.4	19.0/18.6	17.0/30.7	4.5/12.0	3.0/ 3.0	9.9/21.0	99.9/ 99.9
EDUC. FUNDS OF INDUSTRY	N	235/ 16	341/ 4	75/ 11	90/ 20	44/ 23	96/ 4	98/ 30	979/ 108
	V%	5.5/ 4.5	11.7/12.5	2.0/ 1.4	2.1/ 1.5	1.3/ 1.6	8.7/ 2.2	2.0/ 1.7	4.0/ 1.8
	H%	24.0/14.8	34.8/ 3.7	7.7/10.2	9.2/18.5	4.5/21.3	9.8/ 3.7	10.0/27.8	100.0/100.0
OTHER INSTITU- TION FUNDS	N	206/ 22	164/ 4	272/ 49	479/ 199	404/ 177	116/ 28	522/ 222	2163/ 701
	V%	4.8/ 6.1	5.6/12.5	7.2/ 6.2	10.9/14.9	12.2/12.3	10.5/15.3	10.5/12.7	8.7/ 11.9
	H%	9.5/ 3.1	7.6/ .6	12.6/ 7.0	22.1/28.4	18.7/25.2	5.4/ 4.0	24.1/31.7	100.0/100.0
OWN EARNINGS	N	801/ 57	798/ 6	915/ 175	1873/ 573	1572/ 616	619/ 89	3100/1013	9678/ 2529
	V%	18.8/15.9	27.4/18.8	24.1/22.0	42.8/42.8	47.4/42.8	56.0/48.6	62.3/57.9	39.1/ 42.9
	H%	8.3/ 2.3	8.2/ .2	9.5/ 6.9	19.4/22.7	16.2/24.4	6.4/ 3.5	32.0/40.1	100.0/100.1
SPOUSE'S EARNINGS	N	514/ 49	334/ 5	657/ 113	1041/ 282	979/ 355	318/ 43	1105/ 385	4948/ 1232
	V%	12.0/13.6	11.5/15.6	17.3/14.2	23.8/21.1	29.5/24.7	28.8/23.5	22.2/22.0	20.0/ 20.9
	H%	10.4/ 4.0	6.8/ .4	13.3/ 9.2	21.0/22.9	19.8/28.8	6.4/ 3.5	22.3/31.3	100.0/100.1
FAMILY CONTRI- BUTIONS	N	168/ 17	116/ 1	205/ 36	412/ 117	419/ 190	68/ 17	244/ 117	1632/ 495
	V%	3.9/ 4.7	4.0/ 3.1	5.4/ 4.5	9.4/ 8.7	12.6/13.2	6.2/ 9.3	4.9/ 6.7	6.6/ 8.4
	H%	10.3/ 3.4	7.1/ .2	12.6/ 7.3	25.2/23.6	25.7/38.4	4.2/ 3.4	15.0/23.6	100.1/ 99.9
BORROWINGS	N	268/ 9	185/ 0	325/ 41	748/ 174	714/ 213	192/ 16	876/ 250	3308/ 703
	V%	6.3/ 2.5	6.3/ .0	8.6/ 5.2	17.1/13.0	21.5/14.8	17.4/ 8.7	17.6/14.3	13.4/ 11.9
	H%	8.1/ 1.3	5.6/ .0	9.8/ 5.8	22.6/24.8	21.6/30.3	5.8/ 2.3	26.5/35.6	100.0/100.1
OTHER	N	177/ 15	132/ 2	181/ 28	259/ 78	192/ 104	84/ 11	257/ 93	1282/ 331
	V%	4.1/ 4.2	4.5/ 6.3	4.8/ 3.5	5.9/ 5.8	5.8/ 7.2	7.6/ 6.0	5.2/ 5.3	5.2/ 5.6
	H%	13.8/ 4.5	10.3/ .6	14.1/ 8.5	20.2/23.6	15.0/31.4	6.6/ 3.3	20.0/28.1	100.0/100.0
UNDUPLICATED TOTAL	N	4271/ 359	2916/ 32	3794/ 794	4379/1338	3319/1438	1105/ 183	4977/1750	24761/ 5894 <sup>4/</sup>

1/ Refer to explanatory note on page 11.

2/ See note on page 11 re estimation procedures used for this report.

3/ Includes mathematics.

4/ The 58 individuals shown in Table 1 as having subfield "Other and Unspecified" are omitted from this table.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 4  
NUMBER OF FY 1974 DOCTORATE RECIPIENTS, BY STATE AND SUMMARY FIELD <sup>1/</sup>

STATE OF DOCTORAL INSTITUTION	PHYSICAL <sup>2/</sup> SCIENCES		ENGI- NEERING		NUMBER OF DOCTORATE RECIPIENTS BY FIELD LIFE SCIENCES		SOCIAL SCIENCES		ARTS AND HUMANITIES		PROF. FIELDS		EDUCA- TION		OTHER & UNSPEC.		TOTAL	
	MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN		MEN/WOMEN	
U.S. TOTAL	4517/ 375		3110/ 34		4031/ 863		4724/1432		3606/1568		1226/ 195		5322/1939		49/ 9		26585/ 6415	
ALABAMA	27/ 1		13/ 0		29/ 9		17/ 8		15/ 10		6/ 1		97/ 38		0/ 0		204/ 67	
ALASKA	3/ 0		0/ 0		5/ 0		0/ 0		0/ 0		0/ 0		0/ 0		0/ 0		8/ 0	
ARIZONA	51/ 2		36/ 0		53/ 6		48/ 15		19/ 8		23/ 0		125/ 33		3/ 0		358/ 64	
ARKANSAS	19/ 3		9/ 0		12/ 2		10/ 2		3/ 1		20/ 3		35/ 0		0/ 0		108/ 11	
CALIFORNIA	550/ 42		506/ 5		444/ 100		541/ 154		360/ 175		112/ 14		358/ 144		15/ 4		2886/ 638	
COLORADO	80/ 6		65/ 0		86/ 16		114/ 21		46/ 16		29/ 3		196/ 50		0/ 0		616/ 112	
CONNECTICUT	76/ 7		30/ 1		67/ 27		72/ 24		137/ 54		9/ 2		48/ 14		2/ 0		441/ 129	
DELAWARE	23/ 3		11/ 1		4/ 1		3/ 0		11/ 7		0/ 0		1/ 3		0/ 0		53/ 15	
D. C.	54/ 9		28/ 0		28/ 26		101/ 27		80/ 33		48/ 4		68/ 29		1/ 0		408/ 128	
FLORIDA	98/ 4		40/ 0		77/ 15		121/ 27		57/ 40		33/ 7		167/ 72		0/ 0		593/ 165	
GEORGIA	62/ 3		50/ 0		69/ 14		70/ 29		47/ 20		37/ 0		99/ 38		0/ 0		434/ 104	
HAWAII	16/ 0		5/ 0		38/ 4		25/ 6		9/ 1		1/ 0		2/ 2		0/ 0		96/ 13	
IDAHO	15/ 0		6/ 0		23/ 3		1/ 1		2/ 2		0/ 0		11/ 1		2/ 1		60/ 8	
ILLINOIS	281/ 27		193/ 1		215/ 51		340/ 95		287/ 117		97/ 6		295/ 102		1/ 1		1709/ 400	
INDIANA	169/ 7		113/ 2		156/ 23		145/ 30		137/ 67		45/ 14		276/ 96		1/ 1		1042/ 240	
IOWA	79/ 5		58/ 0		110/ 7		92/ 16		59/ 15		19/ 3		76/ 29		0/ 0		493/ 75	
KANSAS	57/ 0		28/ 0		77/ 15		70/ 27		42/ 12		6/ 5		81/ 15		0/ 0		361/ 74	
KENTUCKY	25/ 0		22/ 0		37/ 16		21/ 3		27/ 6		22/ 0		22/ 16		0/ 0		176/ 31	
LOUISIANA	48/ 5		24/ 0		68/ 12		41/ 11		56/ 13		38/ 5		41/ 14		0/ 0		316/ 60	
MAINE	1/ 0		2/ 0		7/ 0		8/ 0		5/ 0		0/ 0		9/ 0		0/ 0		32/ 0	
MARYLAND	121/ 7		44/ 0		88/ 24		83/ 37		52/ 27		5/ 3		59/ 34		0/ 0		452/ 132	
MASSACHUSETTS	303/ 37		188/ 4		128/ 44		252/ 100		223/ 126		74/ 10		223/ 137		2/ 0		1393/ 458	
MICHIGAN	158/ 10		129/ 4		177/ 45		251/ 88		157/ 58		61/ 11		315/ 116		0/ 0		1248/ 332	
MINNESOTA	46/ 9		49/ 2		121/ 15		82/ 39		49/ 21		22/ 3		72/ 29		0/ 0		441/ 118	
MISSISSIPPI	15/ 0		8/ 0		32/ 2		37/ 7		8/ 3		13/ 2		85/ 29		0/ 0		198/ 43	
MISSOURI	83/ 5		79/ 0		81/ 17		90/ 29		87/ 29		29/ 4		121/ 23		3/ 0		573/ 107	
MONTANA	17/ 0		9/ 0		23/ 2		16/ 3		1/ 0		0/ 0		29/ 3		0/ 0		95/ 8	
NEBRASKA	28/ 0		6/ 0		52/ 5		30/ 4		23/ 11		11/ 0		57/ 11		0/ 0		207/ 31	
NEVADA	5/ 0		0/ 0		1/ 0		3/ 0		1/ 1		0/ 0		0/ 0		0/ 0		10/ 1	
NEW HAMPSHIRE	26/ 2		2/ 0		6/ 3		15/ 0		0/ 0		0/ 0		0/ 0		0/ 0		49/ 5	
NEW JERSEY	116/ 10		64/ 2		61/ 17		83/ 29		98/ 30		9/ 1		49/ 26		1/ 0		481/ 115	
NEW MEXICO	29/ 1		15/ 0		11/ 2		16/ 7		30/ 14		0/ 0		56/ 23		0/ 0		157/ 47	
NEW YORK	521/ 45		309/ 5		345/ 112		581/ 258		451/ 260		115/ 28		437/ 213		8/ 0		2767/ 921	
NORTH CAROLINA	94/ 16		67/ 0		150/ 32		130/ 34		110/ 51		15/ 3		90/ 29		0/ 0		656/ 165	
NORTH DAKOTA	15/ 0		0/ 0		24/ 2		7/ 0		2/ 0		0/ 0		26/ 6		0/ 0		74/ 8	
OHIO	189/ 20		146/ 1		126/ 15		199/ 59		172/ 50		77/ 25		258/ 88		1/ 0		1168/ 258	
OKLAHOMA	38/ 0		58/ 1		85/ 10		52/ 8		21/ 10		12/ 1		130/ 42		1/ 0		397/ 72	
OREGON	57/ 6		12/ 0		85/ 10		82/ 18		40/ 20		18/ 1		107/ 23		1/ 0		402/ 78	
PENNSYLVANIA	207/ 25		192/ 2		148/ 45		231/ 73		161/ 83		67/ 13		335/ 128		3/ 2		1344/ 371	
RHODE ISLAND	67/ 4		22/ 0		20/ 5		37/ 6		39/ 21		0/ 0		0/ 0		0/ 0		185/ 36	
SOUTH CAROLINA	24/ 3		14/ 0		20/ 4		13/ 1		21/ 5		6/ 0		9/ 6		0/ 0		107/ 19	
SOUTH DAKOTA	3/ 0		3/ 0		11/ 1		12/ 0		0/ 0		0/ 0		20/ 3		0/ 0		49/ 4	
TENNESSEE	51/ 5		41/ 1		73/ 20		74/ 11		41/ 20		3/ 2		99/ 48		0/ 0		384/ 107	
TEXAS	209/ 22		178/ 0		157/ 32		168/ 48		133/ 51		83/ 12		265/ 113		1/ 0		1194/ 278	
UTAH	40/ 2		41/ 0		62/ 3		57/ 8		26/ 5		16/ 2		149/ 28		0/ 0		391/ 48	
VERMONT	9/ 0		2/ 0		9/ 4		6/ 0		4/ 3		0/ 0		0/ 0		0/ 0		30/ 7	
VIRGINIA	62/ 6		58/ 0		63/ 17		38/ 9		43/ 10		8/ 0		80/ 24		1/ 0		353/ 66	
WASHINGTON	87/ 8		49/ 1		93/ 12		96/ 26		56/ 18		16/ 2		57/ 15		1/ 0		455/ 82	
WEST VIRGINIA	8/ 0		10/ 0		12/ 4		20/ 2		6/ 1		0/ 0		37/ 9		0/ 0		93/ 16	
WISCONSIN	130/ 6		71/ 1		142/ 22		112/ 32		148/ 42		21/ 5		128/ 35		1/ 0		753/ 143	
WYOMING	23/ 2		5/ 0		20/ 0		9/ 0		2/ 0		0/ 0		22/ 2		0/ 0		81/ 4	
PUERTO RICO	2/ 0		0/ 0		0/ 0		0/ 0		2/ 1		0/ 0		0/ 0		0/ 0		4/ 1	

<sup>1/</sup> Refer to explanatory note on page 11.

<sup>2/</sup> Includes mathematics.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.



TABLE 5  
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS, BY RACIAL OR ETHNIC GROUP AND U.S. CITIZENSHIP STATUS, FY 1974<sup>1/</sup>

	TOTAL				WHITE				BLACK				AMER. INDIAN
	U.S.	NON-U.S. PERM.	TEMP.	TOTAL	U.S.	NON-U.S. PERM.	TEMP.	TOTAL	U.S.	NON-U.S. PERM.	TEMP.	TOTAL	
TOTAL NUMBER	26827	1853	3447	33000 <sup>2/</sup>	23442	651	1459	25593 <sup>3/</sup>	846	42	122	1015 <sup>3/</sup>	129
MALE V%	79.2	84.1	89.8	80.6	79.4	76.3	89.4	79.9	68.6	92.9	91.0	72.1	80.6
FEMALE V%	20.8	15.9	10.2	19.4	20.6	23.7	10.6	20.1	31.4	7.1	9.0	27.9	19.4
DOCTORAL FIELD													
PHYSICAL SCIENCES V%	13.6	20.2	22.0	14.8	13.9	13.4	19.3	14.2	5.4	7.1	9.8	6.0	11.6
ENGINEERING V%	6.7	28.4	21.3	9.5	6.7	17.7	19.0	7.7	1.9	9.5	11.5	3.3	5.4
LIFE SCIENCES V%	13.7	17.8	21.6	14.8	14.0	15.7	17.9	14.3	8.2	11.9	21.3	9.9	11.6
SOCIAL SCIENCES V%	19.5	11.9	15.8	18.7	19.9	17.5	19.7	19.8	12.6	38.1	22.1	14.9	14.7
ARTS & HUMANITIES V%	17.1	12.4	6.4	15.7	17.3	22.6	8.6	16.9	8.9	14.3	15.6	10.0	14.7
EDUCATION V%	25.0	5.7	8.9	22.0	23.7	7.4	10.2	22.5	59.2	16.7	13.9	51.9	35.7
PROFESSIONS & OTHER V%	4.4	3.6	4.0	4.5	4.4	5.8	5.3	4.5	3.8	2.4	5.7	4.0	6.2
MEDIAN AGE AT DOCTORATE	31.4	32.3	30.7	31.4	31.3	32.6	30.4	31.2	36.7	33.8	33.1	35.6	32.8
MEDIAN TIME LAPSE BA-PhD													
TOTAL TIME	8.6	8.9	7.6	8.5	8.5	8.9	7.2	8.4	12.4	7.8	6.7	10.9	8.9
REGISTERED TIME	5.9	6.1	5.3	5.9	5.9	5.9	5.1	5.9	5.9	5.5	4.4	5.7	5.7
GRADUATE SCHOOL SUPPORT													
FEDERAL FELLOW/TRAINEE V%	39.4	12.5	8.8	33.7	40.5	16.4	7.8	38.0	33.7	7.1	7.4	29.6	51.9
GI BILL V%	12.2	.2	.0	10.0	12.4	.5	.0	11.4	17.3	.0	.0	14.4	15.5
OTHER FELLOWSHIP V%	21.3	24.4	27.1	21.6	21.7	27.6	30.0	22.3	26.6	35.7	27.0	26.9	20.2
TEACHING ASSISTANTSHIP V%	47.1	54.7	41.9	45.8	49.1	54.5	45.8	49.0	28.8	54.8	37.7	30.9	49.6
RESEARCH ASSISTANTSHIP V%	29.0	55.1	48.5	31.8	30.3	41.8	45.2	31.4	15.1	28.6	28.7	17.2	22.5
EDUC./INST. FUNDS V%	11.9	10.5	14.1	11.8	12.1	11.4	14.6	12.2	14.1	7.1	16.4	14.0	10.9
OWN/SPOUSE EARNINGS V%	50.7	32.2	19.0	45.1	52.1	40.7	25.7	50.3	49.9	57.1	23.8	46.8	57.4
FAMILY CONTRIBUTIONS V%	6.8	5.6	5.4	6.5	7.2	5.7	5.4	7.0	3.3	2.4	4.1	3.3	4.7
LOANS V%	13.8	7.4	4.6	12.2	14.0	10.1	5.6	13.4	18.6	11.9	4.9	16.6	14.7
OTHER V%	3.7	4.5	15.6	4.9	3.7	8.9	20.8	4.8	4.3	.0	23.8	6.4	4.7
UNKNOWN V%	4.7	3.3	5.1	7.0	2.3	3.7	3.7	2.5	5.0	4.8	5.7	5.1	1.6
POSTDOCTORAL STUDY PLANS													
PLANNED EMPLOYMENT AFTER DOCTORATE V%	13.2	25.6	25.8	14.9	13.7	18.7	19.1	14.1	6.4	7.1	18.9	7.9	9.3
EDUC. INSTITUTION V%	81.8	69.5	67.5	77.6	83.7	76.7	76.7	83.0	90.0	85.7	74.6	87.9	89.9
INDUSTRY/BUSINESS V%	55.6	35.9	41.7	51.6	56.6	50.5	49.6	56.0	68.9	61.9	41.8	65.2	67.4
GOVERNMENT V%	9.2	23.9	9.1	9.8	9.7	14.3	7.7	9.7	3.8	11.9	5.7	4.3	5.4
NON-PROFIT V%	3.7	1.9	1.6	3.3	3.9	2.3	2.1	3.7	9.3	4.8	20.5	10.4	9.3
OTHER & UNKNOWN V%	4.2	3.9	3.8	4.0	4.2	4.8	3.7	4.1	5.1	7.1	4.1	5.2	6.2
POSTDOCT STATUS UNKNOWN V%	4.9	4.9	6.7	7.5	2.6	4.6	4.2	2.8	3.7	7.1	6.6	4.2	.8
DEFINITE POSTDOCT STUDY													
SEEKING POSTDOCT STUDY V%	9.9	15.1	15.0	10.5	10.3	13.1	12.5	10.5	4.6	2.4	6.6	4.7	5.4
DEFINITE EMPLOYMENT V%	3.3	10.5	10.8	4.4	3.4	5.7	6.6	3.6	1.8	4.8	12.3	3.2	3.9
SEEKING EMPLOYMENT V%	61.7	42.3	48.9	57.7	63.3	49.0	57.9	62.6	64.2	54.8	53.3	62.4	63.6
SEEKING EMPLOYMENT V%	20.2	27.2	18.7	19.9	20.3	27.6	18.8	20.4	25.8	31.0	21.3	25.5	26.4
EMPLOYMENT LOCATION AFTER DOCTORATE													
U.S. V% <sup>5/</sup>	95.7	85.1	22.4	88.8	95.8	81.5	19.8	91.5	97.1	82.6	21.5	88.8	100.0
FOREIGN V% <sup>5/</sup>	2.1	10.7	75.5	9.0	2.2	14.1	79.2	6.5	.0	17.4	75.4	8.4	.0
UNKNOWN V% <sup>5/</sup>	2.2	4.2	2.0	2.2	2.1	4.4	1.1	2.1	2.9	.0	3.1	2.8	.0

1/ See explanatory notes on page 11 re Table 5 and estimation procedures.

2/ Includes 873 individuals who did not report their citizenship at time of doctorate.

3/ Includes individuals who did not report their citizenship at time of doctorate.

4/ Includes those who provided no usable response to the item on "racial or ethnic group" and those who used the old form which did not contain this item. The comparable figure for 1973 was 8,592; 2,092 who provided no usable response plus 6,500 who used the old form.

5/ The base for this V% is the number of doctorates in the column caption group who have found definite employment.



TABLE 5. CONTINUED

CHICANO				PUERTO RICAN	CRISTIAN				OTHER			UNKNOWN		
U.S.	NON-U.S. PERM.	TEMP.	TOTAL		U.S.	NON-U.S. PERM.	TEMP.	TOTAL	U.S.	NON- U.S.	TOTAL	U.S.	NON- U.S.	TOTAL
195	20	76	291	60	293	858	1053	2211 <sup>3/</sup>	16	18	34	1848	1000	3667 <sup>3/ 4/</sup>
83.1	75.0	96.1	85.5	70.0	76.5	87.9	87.8	86.4	68.8	100.0	85.3	81.1	91.7	83.5
16.9	25.0	3.9	14.1	30.0	23.5	12.1	12.2	13.6	31.3	.0	14.7	18.9	8.3	16.5
6.7	20.0	15.8	10.0	10.0	20.8	27.0	27.9	26.7	12.5	33.3	23.5	14.0	20.0	15.0
3.6	10.0	21.1	8.6	11.7	21.8	35.7	23.9	28.1	6.3	5.6	5.9	6.1	27.3	13.1
11.3	10.0	44.7	19.9	10.0	17.4	19.7	25.0	21.9	12.5	33.3	23.5	12.3	20.4	15.4
13.8	15.0	11.8	13.4	20.0	11.9	5.8	10.4	8.8	25.0	16.7	20.6	19.5	14.6	17.8
21.5	45.0	3.9	18.6	28.3	9.6	5.5	3.8	5.2	6.3	.0	2.9	18.7	5.6	14.5
40.0	.0	1.3	27.1	18.3	14.7	4.1	7.0	6.9	31.3	5.6	17.6	25.1	8.0	18.5
3.1	.0	1.3	2.4	1.7	3.8	2.2	2.0	2.4	6.3	5.6	5.9	4.4	4.1	5.7
33.6	34.5	31.4	33.1	31.5	33.7	31.8	30.6	31.4	31.8	31.3	31.5	31.6	31.5	31.6
9.4	11.3	7.2	9.0	9.4	10.4	8.8	7.9	8.5	9.5	8.8	9.0	8.8	8.6	8.7
5.9	6.3	4.5	5.5	6.9	6.6	6.1	5.4	5.8	6.5	6.0	6.3	6.1	5.8	6.0
34.4	40.0	10.5	28.5	35.0	31.1	10.0	9.7	12.6	68.8	5.6	35.3	29.5	9.7	17.7
18.5	5.0	.0	12.7	10.0	3.8	.0	.0	.5	.0	.0	.0	8.0	.0	4.1
23.1	30.0	30.3	25.4	25.0	19.1	21.8	28.9	23.8	12.5	22.2	17.6	14.6	21.8	13.4
45.6	30.0	27.6	39.9	40.0	46.1	57.0	42.2	48.3	31.3	61.1	47.1	31.8	39.5	27.1
23.1	30.0	47.4	29.9	28.3	44.0	68.9	58.4	60.5	25.0	55.6	41.2	18.6	45.6	22.1
12.8	15.0	15.7	14.8	18.3	15.7	9.9	12.3	11.8	6.3	16.7	11.8	8.0	13.5	7.8
49.7	35.0	10.5	38.5	40.0	46.8	24.7	12.0	21.5	50.0	27.8	38.2	33.4	20.1	22.5
5.6	.0	2.6	4.5	6.7	5.8	5.6	6.3	5.9	.0	11.1	5.9	4.8	5.0	3.8
16.9	.0	6.6	13.1	18.3	11.3	4.8	2.5	4.5	18.8	16.7	17.6	9.7	6.3	6.7
6.7	10.0	22.4	11.0	8.3	5.8	1.7	8.1	5.3	12.5	16.7	14.7	2.2	10.8	4.1
2.1	.0	.0	1.4	1.7	1.7	1.4	2.0	1.9	.0	5.6	2.9	36.0	11.6	43.1
12.3	15.0	18.4	14.1	10.0	20.8	32.6	36.5	32.8	25.0	38.9	32.4	9.7	24.9	11.8
87.2	80.0	77.6	84.2	85.0	75.8	64.2	59.3	63.3	68.8	61.1	64.7	54.4	60.9	44.6
64.6	50.0	55.3	61.2	68.3	37.2	23.9	35.1	30.9	43.8	22.2	32.4	37.3	34.4	28.7
4.6	15.0	2.6	4.8	5.0	20.5	32.5	12.7	21.4	6.3	5.6	5.9	5.3	12.0	5.9
9.2	5.0	13.2	10.0	8.3	9.9	3.1	7.4	6.2	.0	27.8	14.7	6.7	8.2	5.6
3.1	5.0	2.6	3.1	1.7	2.0	1.6	1.0	1.4	6.3	.0	2.9	1.7	1.5	1.3
5.6	5.0	3.9	5.2	1.7	6.1	3.0	2.9	3.4	12.5	5.6	8.8	3.4	4.8	3.1
.5	5.0	3.9	1.7	5.0	3.4	3.1	4.3	3.9	6.3	.0	2.9	35.9	14.2	43.5
8.2	10.0	14.5	10.0	6.7	13.0	18.8	20.8	18.9	18.8	33.3	26.5	7.4	12.2	7.1
4.1	5.0	3.9	4.1	3.3	7.8	13.9	15.7	13.9	6.3	5.6	5.9	2.3	12.7	4.7
67.7	45.0	67.1	66.0	70.0	53.6	38.2	40.6	41.3	56.3	22.2	38.2	39.3	39.7	31.2
19.5	35.0	10.5	18.2	15.0	22.2	26.0	18.7	21.9	12.5	38.9	26.5	15.1	21.2	13.4
97.0	88.9	9.8	73.4	97.6	98.2	87.8	26.2	60.3	88.9	.0	61.5	92.7	43.3	75.3
.8	11.1	90.2	25.0	2.4	1.9	7.6	70.5	36.2	.0	100.0	30.8	3.3	53.4	21.0
2.3	.0	.0	1.6	.0	1.9	4.6	3.3	3.5	11.1	.0	7.7	4.0	3.3	3.8

SOURCE: NRC, Commission on Human Resources,  
Doctorate Records File

**Please Do Not Write  
in This Space**

Manpower Studies Branch, Office of Scientific Personnel,  
National Research Council,  
2101 Constitution Avenue, Washington, D.C. 20418

***Please print or type.***

A. Name in full: (Last Name) (First Name) (Middle Name) (7-28)

B. U.S. Social Security Number: (30-38) CR ( ) Cross Reference: Maiden name or former name legally changed

C. Permanent address through which you could always be reached: (Care of, if applicable) (Number) (Street) (City) (State) (Zip Code) (Or Country if not U.S.)

D. Date of birth: (39-43) (Month) (Day) (Year) Place of birth: (44-45) (State) (Or Country if not U.S.)

E. Sex: 1 ☐ Male 2 ☐ Female (46)

F. Marital status: 1 ☐ Married 2 ☐ Not married (including widowed, divorced) (47)

G. Citizenship: 0 ☐ U.S. native 2 ☐ Non-U.S., Immigrant (Permanent Resident) 1 ☐ U.S. naturalized 3 ☐ Non-U.S., Non-Immigrant (Temporary Resident) (48) If Non-U.S., indicate country of present citizenship (49-50)

H. Racial or ethnic group: (Check all that apply.) 0 ☐ White/Caucasian 1 ☐ Black/Negro/Afro-American 2 ☐ American Indian 3 ☐ Spanish-American/Mexican-American/Chicano 4 ☐ Puerto Rican-American 5 ☐ Oriental 6 ☐ Other, specify (51-53)

1. High school last attended: ..... (School Name) ..... (City) ..... (State) ..... (54-55)

Year of graduation from high school: ..... (56-57)

J. List in the table below all collegiate and graduate institutions you have attended including 2-year colleges. List chronologically, and include your doctoral institution as the last entry.

[illegible]

K. Enter below the title of your doctoral dissertation and the most appropriate classification number and field. If a project report or a musical or literary composition (not a dissertation) is a degree requirement, please check box. ☐ 48

Title.....	Classify using Specialties List	
.....	Number	Name of field

(62-64)

L. Name the department (or interdisciplinary committee, center, institute, etc.) and school or college of the university which supervised your doctoral program: .....

M. Name of your dissertation adviser: (please print) ..... (Last Name) (First Name) (Middle Initial) ..... (8-20)

*continued on next page*

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**[3]**  
 6 7  
 8-20 TA

### SURVEY OF EARNED DOCTORATES, Cont.

N. In the space in front of each source of support, indicate the approximate number of semesters you were supported by each of the listed sources during graduate school.

- |                         |                                       |                               |                          |
|-------------------------|---------------------------------------|-------------------------------|--------------------------|
| 21 ___ NSF Fellowship   | 29 ___ GI Bill                        | 34 ___ Teaching Assistantship | 38 ___ Own earnings      |
| 22 ___ NSF Traineeship  | 30 ___ Other Federal support          | 35 ___ Research Assistantship | 39 ___ Spouse's earnings |
| 23 ___ NIH Fellowship   | (specify) .....                       | 36 ___ Educational fund of    | 40 ___ Family contribu-  |
| 24 ___ NIH Traineeship  | 31 ___ Woodrow Wilson Fellowship      | industrial or                 | tions                    |
| 25 ___ NDEA Fellowship  | 32 ___ Other U.S. national fellowship | business firm                 | 41 ___ Loans             |
| 26 ___ Other HEW        |                                       | 37 ___ Other institutional    | 42 ___ Other (specify)   |
| 27 ___ AEC Fellowship   | (specify) .....                       | funds (specify)               |                          |
| 28 ___ NASA Traineeship | 33 ___ University fellowship          |                               |                          |

O. Please check the space which most fully describes your status during the year immediately preceding the doctorate.

- 0 ☐ Held fellowship  
1 ☐ Held assistantship  
2 ☐ Held own research grant  
3 ☐ Not employed  
4 ☐ Part-time employed
- Full-time  
Employed in:  
(Other than  
0, 1, 2)
- 5 ☐ College or university, teaching  
6 ☐ College or university, non-teaching  
7 ☐ Elem. or sec. school, teaching  
8 ☐ Elem. or sec. school, non-teaching  
9 ☐ Industry or business  
(11) ☐ Other (specify) .....  
(12) ☐ Any other (specify) ..... (43)

P. How many years (full-time equivalent basis) of professional work experience did you have prior to the doctorate?

(include assistantships as professional experience).....(44-45)

Q. U.S. veteran status:

- 0 ☐ Veteran, or in service; dates of active duty from..... (year)  
to..... (year)
- 1 ☐ Non-veteran  
2 ☐ Not applicable (46-50)

## POSTGRADUATION PLANS

R. How well defined are your postgraduation plans?

- 0 ☐ Have signed contract or made definite commitment  
1 ☐ Am negotiating with a specific organization, or more than one  
2 ☐ Am seeking appointment but have no specific prospects  
3 ☐ Other (specify) .....(51)

5. What are your immediate postgraduation plans?

- 0 ☐ Postdoctoral fellowship? 4 ☐ Employment? (other than 0, 1, 2, 3)  
1 ☐ Postdoctoral research associateship? 5 ☐ Military service?  
2 ☐ Traineeship? 6 ☐ Other (specify) \_\_\_\_\_ (32)  
3 ☐ Other study (specify) \_\_\_\_\_

If you check 0, 1, 2, or 3, please answer "T" and omit "U"

If you checked 4, 5, or 6, please answer "U" and omit "T"

T. If you plan to be on a postdoctoral fellowship, associateship, or traineeship —

U. If you plan to be employed, enter military service, or other —

What is the purpose?

What will be the type of employer?

- 0 ☐ To add experience in your present field (53)  
1 ☐ To change to a field different from that of the doctorate  
(Please enter number of new field from Specialties List  
.....) (54-56)
- 0 ☐ 4-year college or university  
1 ☐ Jr. or community college  
2 ☐ Elem. or sec. school
- 5 ☐ State or local government  
6 ☐ Nonprofit organization  
7 ☐ Industry or business  
8 ☐ Self-employed  
9 ☐ Other (specify)

**What is the primary source of support?**

- What is the primary source of support?
- |  |   |  |
|--|---|--|
| 0 <input type="checkbox"/> U.S. Government       | 3 <input type="checkbox"/> Nonprofit, other than private foundation | 4 <input type="checkbox"/> U.S. Government |
| 1 <input type="checkbox"/> College or university | 4 <input type="checkbox"/> Other (specify) _____                    |  |
| 2 <input type="checkbox"/> Private foundation    |   |  |
- Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.

Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.

- 0 ☐ Research and development  
1 ☐ Teaching  
2 ☐ Administration  
3 ☐ Professional services to individuals  
5 ☐ Other (specify)

In what field will you be working?

Please enter number from Specialties List ..... (61-63)

V. What is the name and address of the organization with which you will be associated?

(Name of Organization)

(Street)

(City, State)

(Or Country If not U.S.)

(64-69)

## BACKGROUND INFORMATION

W. Please indicate, by circling the highest grade attained, the education of

<i>your father:</i>	<u>none</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>MA, MD</u>	<u>PhD</u>	<u>Postdoctoral</u>	(70)	
		Elementary school								High school				College				Graduate				
<i>your mother</i>	<u>none</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>MA, MD</u>	<u>PhD</u>	<u>Postdoctoral</u>	(71)	
	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>						<u>4</u>	<u>5</u>			<u>6</u>	<u>7</u>			<u>8</u>	<u>9</u>	<u>(11)</u>		

**Signature**

Date completed

**MATHEMATICS**

- 000 — Algebra
- 010 — Analysis & Functional Analysis
- 020 — Geometry
- 030 — Logic
- 040 — Number Theory
- 050 — Probability, Math. Statistics  
(see also 544, 670, 725, 727, 920)
- 060 — Topology
- 080 — Computing Theory & Practice
- 082 — Operations Research (see also 478)
- 085 — Applied Mathematics
- 098 — Mathematics, General
- 099 — Mathematics, Other\*

**ASTRONOMY**

- 101 — Astronomy
- 102 — Astrophysics

**PHYSICS**

- 110 — Atomic & Molecular Physics
- 120 — Electromagnetism
- 130 — Mechanics
- 132 — Acoustics
- 134 — Fluids
- 135 — Plasma Physics
- 136 — Optics
- 138 — Thermal Physics
- 140 — Elementary Particles
- 150 — Nuclear Structure
- 160 — Solid State
- 198 — Physics, General
- 199 — Physics, Other\*

**CHEMISTRY**

- 200 — Analytical
- 210 — Inorganic
- 220 — Organic
- 230 — Nuclear
- 240 — Physical
- 250 — Theoretical
- 260 — Agricultural & Food
- 270 — Pharmaceutical
- 275 — Polymer Chemistry
- 298 — Chemistry, General
- 299 — Chemistry, Other\*

**EARTH SCIENCES**

- 301 — Mineralogy, Petrology
- 305 — Geochemistry
- 310 — Stratigraphy, Sedimentation
- 320 — Paleontology
- 330 — Structural Geology
- 340 — Geophysics (Solid Earth & Atmospheric)
- 350 — Geomorph., Glacial Geology
- 360 — Hydrology
- 370 — Oceanography
- 380 — Meteorology
- 391 — Applied Geol., Geol. Engr., Econ. Geol.
- 395 — Fuel Tech., Petrol. Engr. (see also 479)
- 398 — Earth Sciences, General
- 399 — Earth Sciences, Other\*

**ENGINEERING**

- 400 — Aeronautical & Astronautical
- 410 — Agricultural
- 415 — Biomedical Engineering
- 420 — Civil
- 430 — Chemical
- 435 — Ceramic
- 440 — Electrical
- 445 — Electronics
- 450 — Industrial
- 455 — Nuclear Engineering
- 460 — Engineering Mechanics
- 465 — Engineering Physics
- 470 — Mechanical
- 475 — Metallurgy & Phys. Met. Engr.
- 478 — Operations Research (see also 082)

- 479 — Fuel Tech., Petrol. Engr. (see also 395)
- 480 — Sanitary
- 486 — Mining
- 497 — Materials Science Engr.
- 498 — Engineering, General
- 499 — Engineering, Other\*

**ENVIRONMENTAL SCIENCES**

- 589 — Environmental Sciences\*

**AGRICULTURAL SCIENCES**

- 500 — Agronomy
- 501 — Agricultural Economics
- 502 — Animal Husbandry
- 503 — Food Science & Technology
- 504 — Fish & Wildlife
- 505 — Forestry
- 506 — Horticulture
- 507 — Soils & Soil Science
- 510 — Animal Sciences
- 511 — Phytopathology
- 518 — Agriculture, General
- 519 — Agriculture, Other\*

**MEDICAL SCIENCES**

- 520 — Medicine & Surgery
- 522 — Public Health
- 523 — Veterinary Medicine
- 524 — Hospital Administration
- 527 — Parasitology
- 534 — Pathology
- 536 — Pharmacology
- 537 — Pharmacy
- 538 — Medical Sciences, General
- 539 — Medical Sciences, Other\*

**BIOLOGICAL SCIENCES**

- 540 — Biochemistry
- 542 — Biophysics
- 544 — Biometrics, Biostatistics  
(see also 050, 544, 725, 727, 920)
- 545 — Anatomy
- 546 — Cytology
- 547 — Embryology
- 548 — Immunology
- 550 — Botany
- 560 — Ecology
- 562 — Hydrobiology
- 564 — Microbiology & Bacteriology
- 566 — Physiology, Animal
- 567 — Physiology, Plant
- 569 — Zoology
- 570 — Genetics
- 571 — Entomology
- 572 — Molecular Biology
- 578 — Biological Sciences, General
- 579 — Biological Sciences, Other\*

**PSYCHOLOGY**

- 600 — Clinical
- 610 — Counseling & Guidance
- 620 — Developmental & Gerontological
- 630 — Educational
- 635 — School Psychology
- 641 — Experimental
- 642 — Comparative
- 643 — Physiological
- 650 — Industrial & Personnel
- 660 — Personality
- 670 — Psychometrics  
(see also 050, 544, 725, 727, 920)
- 680 — Social
- 698 — Psychology, General
- 699 — Psychology, Other\*

**SOCIAL SCIENCES**

- 700 — Anthropology
- 708 — Communications\*
- 710 — Sociology
- 720 — Economics (see also 501)
- 725 — Econometrics  
(see also 050, 544, 670, 727, 920)

- 727 — Statistics  
(see also 050, 544, 670, 725, 920)
- 740 — Geography
- 745 — Area Studies\*
- 750 — Political Science, Public Admin.
- 755 — International Relations
- 770 — Urban & Reg. Planning
- 798 — Social Sciences, General
- 799 — Social Sciences, Other\*

**ARTS & HUMANITIES**

- 801 — Art, Applied
- 802 — Art, History & Criticism
- 804 — History, American
- 805 — History, European
- 806 — History, Other\*
- 807 — History & Philosophy of Science
- 830 — Music
- 831 — Speech as a Dramatic Art  
(see also 885)
- 832 — Archeology
- 833 — Religion (see also 881)
- 834 — Philosophy
- 835 — Linguistics
- 878 — Arts & Humanities, General
- 879 — Arts & Humanities, Other\*

**LANGUAGES & LITERATURE**

- 811 — American
- 812 — English
- 821 — German
- 822 — Russian
- 823 — French
- 824 — Spanish & Portuguese
- 826 — Italian
- 827 — Classical\*
- 829 — Other Languages\*

**EDUCATION**

- 900 — Foundations: Social, Philosoph.
- 910 — Educational Psychology
- 908 — Elementary Educ., General
- 909 — Secondary Educ., General
- 918 — Higher Education
- 919 — Adult Educ. & Extension Educ.
- 920 — Educ. Meas. & Stat.
- 929 — Curriculum & Instruction
- 930 — Educ. Admin. & Superv.
- 940 — Guid., Couns., & Student Pers.
- 950 — Special Education (Speech, Gifted, Handicapped, etc.)
- 960 — Audio-Visual Media

**TEACHING FIELDS**

- 970 — Agriculture
- 972 — Art
- 974 — Business
- 976 — English
- 978 — Foreign Languages
- 980 — Home Economics
- 982 — Industrial Arts
- 984 — Mathematics
- 986 — Music
- 988 — Phys. Ed., Health, & Recreation
- 990 — Science Educ.
- 992 — Social Science Educ.
- 994 — Vocational Educ.
- 996 — Other Teaching Fields\*
- 998 — Education, General
- 999 — Education, Other\*

**OTHER PROFESSIONAL FIELDS**

- 881 — Theology (see also 833)
- 882 — Business Administration
- 883 — Home Economics
- 884 — Journalism
- 885 — Speech & Hearing Sciences
- 886 — Law, Jurisprudence
- 887 — Social Work
- 891 — Library & Archival Science
- 897 — Professional Field, Other\*
- 899 — OTHER FIELDS\*

\* Identify the specific field in the space provided on the questionnaire.

## CODE NUMBERS FOR FIELDS DISPLAYED IN TABLE 2

## TOTAL ALL FIELDS

Physics &amp; Astronomy (101-199)

Chemistry (200-299)

Earth Sciences (301-399)

Physical Sciences Subtotal (101-399)

Mathematics (000-099)

Engineering (400-499)

EMP Total (000-499)

Basic Medical Sciences (540-542, 545-548, 564-566, 572)

Other Biosciences (544, 550-562, 567-571, 578-579)

Biosciences Subtotal (540-579)

Medical Sciences (520-539)

Agricultural Sciences (500-519)

Environmental Sciences (589)

Life Sciences (500-589)

Psychology (600-699)

Economics and Econometrics (720, 725)

Anthropology &amp; Sociology (700, 710)

Political Science, Public Administration, International Relations (750, 755)

Other Social Sciences (708, 725-745, 770-799)

Social Sciences Total (600-799)

Total Sciences (000-799)

History (804-807)

English &amp; American Language &amp; Literature (811, 812)

Foreign Languages &amp; Literature (821-829)

Other Arts &amp; Humanities (801-802, 830-879)

Arts &amp; Humanities Total (801-879)

Professional Fields (881-897)

Education (900-999)

Other or unspecified (899)

Total Non-Sciences (801-999)